Network Video Recorder
User's Manual

Model: **NVR4CH/8CH/16CH**

msv
my smartvideo®
Video surveillance made easy
Network Camera
01
02
03
04
05
06
07
08
Power
Status
Network
HDD1
HDD2
Alarm
Network Video Recorder MSV-NVR08
Reset
Power
Buzzer

EN/M16/08122010/001

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System Requirements

The following are minimum system requirements for the system to operate Embedded Network Video Recorder (ENVR):

Operating System

Microsoft® Windows® 2000 Professional, Windows® XP Professional (32 bit) or Windows® Server 2003 (32 bit)

Browser

Microsoft Internet Explorer 7 or above

CPU

Minimum Intel® Pentium® 4 2.4 GHz or higher (Dual Core is recommended)

RAM

Minimum 1 GB of RAM, 2GB or above is recommended

Network

Minimum 10/100 Ethernet (Gigabit Ethernet is recommended)

Graphics Adapter

AGP or PCI-Express, minimum 1024×768, 16 bit colors.

(We highly recommend to work above the 1024 x 768 resolution to get the full experience of the software)

- ***Make sure your display DPI setting is set to default at 96DPI***
- ***To set DPI value, right-click on desktop, choose "Settings" tab >> "Advanced" >> "General"***

Contents Inside the Installation CD

- Adobe Acrobat Reader
- Smart Device Search Utility
- IVS Central Basic CMS software
- NVR Media Player
- User's Manual
- Quick installation Guide
- Datasheet

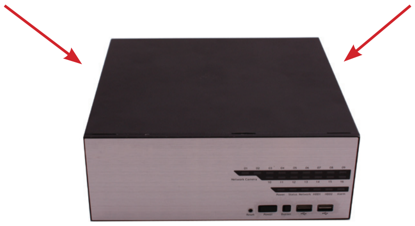
Product Description

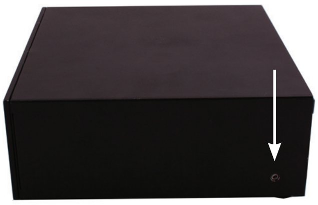
The Embedded Network Video Recorder is designed for use within a surveillance system, and performs recordings and playbacks pictures from network cameras in the system. It is a recording device using a hard disk drive to record camera pictures instead of using video tapes so that pictures recorded by repeated overwriting will not experience deterioration of the recorded picture quality. Up to 4 (for NVR4CH) or 8 (for NVR8CH) or 16 (for NVR16CH) cameras can be connected via a network and it is possible to record their camera pictures. It is possible to perform the settings or operate the NVR using a web browser installed on a PC connected to a network, or remote controller. Recorded video can be played back from remote site by a PC. Up to 4 PCs (web browsers) can access this unit concurrently and it is possible to perform the settings and operate this unit. The NVR is compatible with most major brand cameras and its ability to automatically search and fnd the available cameras on the network can greatly reduce the user effort when expanding the system.

- **Advance PTZ Control**
- **Various Types Event Alerts**
- **Pure Web Based Administration**
- **Linux-embedded Operating System**
- **Export Recorded Videos to AVI**
- **Compatible with Major Brand Cameras**
- **High Quality Live/Playback Videos**
- **Smart Camera Search**

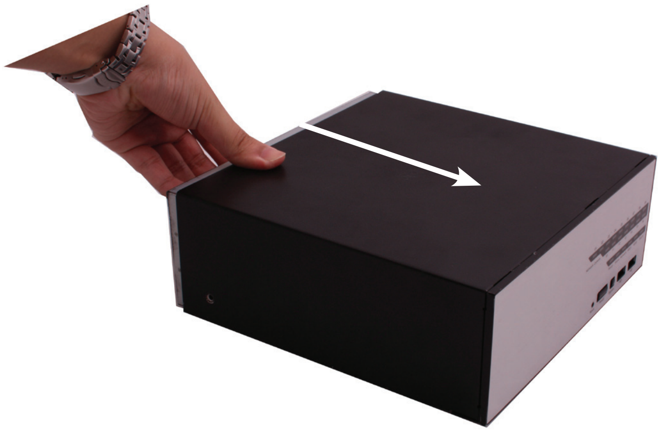
Install Hard Disk

Start by removing the screws on the side:

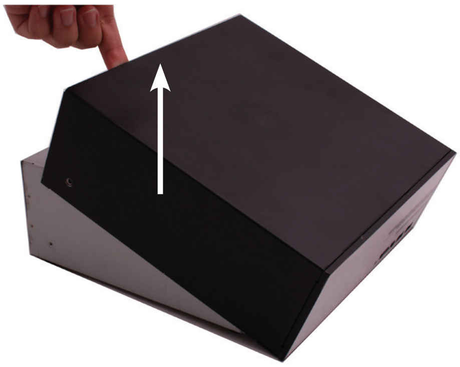




Push the top housing forward

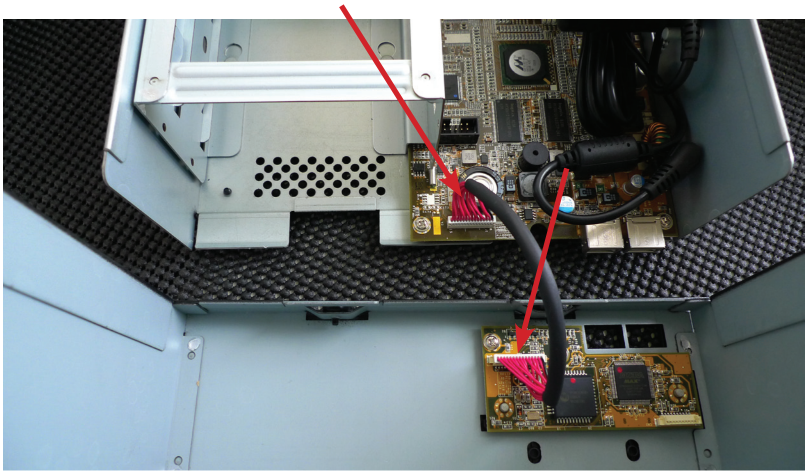


Then lift it up

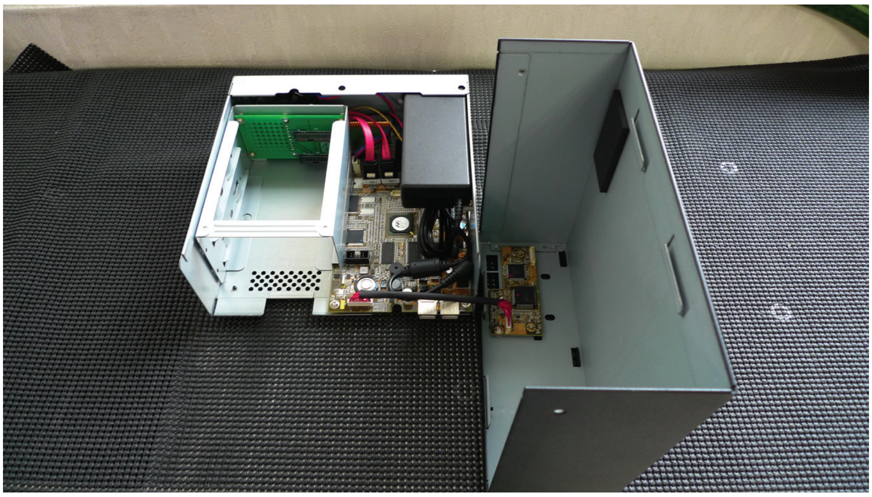


- *The NVR supports SATA I or SATA II hard disks*
- *The NVR supports max.* 2TB *per hard disk and it supports total of 2 hard disks* 4TB

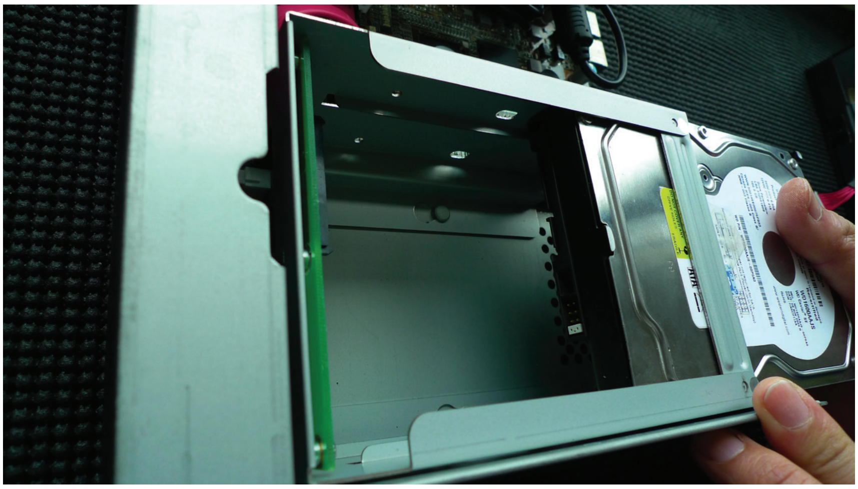
There is a cable connected between the fron LED board and the main board



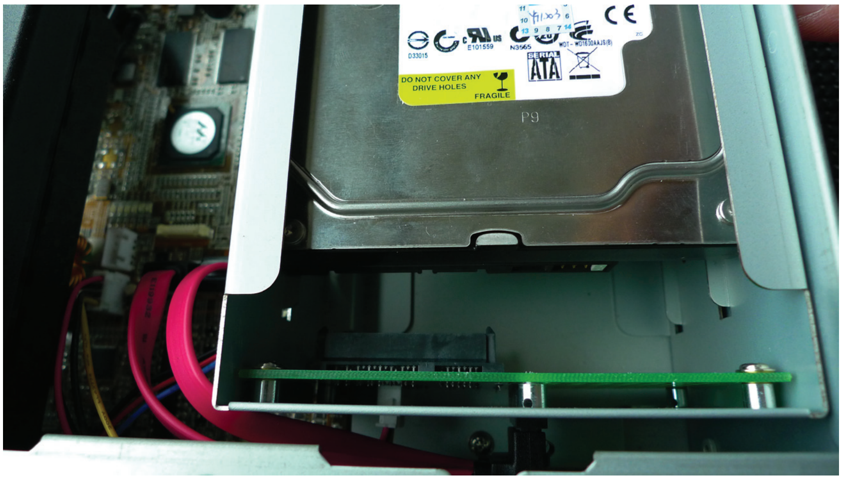
You can remove it from the main board or simply put the top housing on the side like shown below:



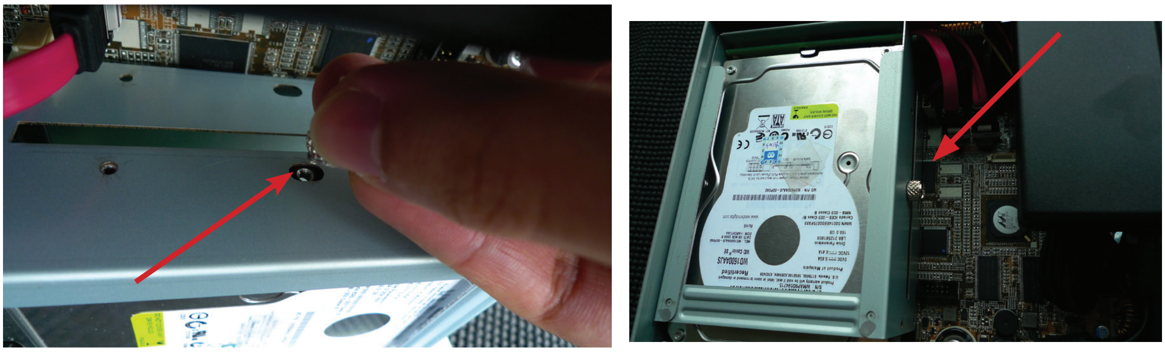
Next, slide the hard drive into the tray:



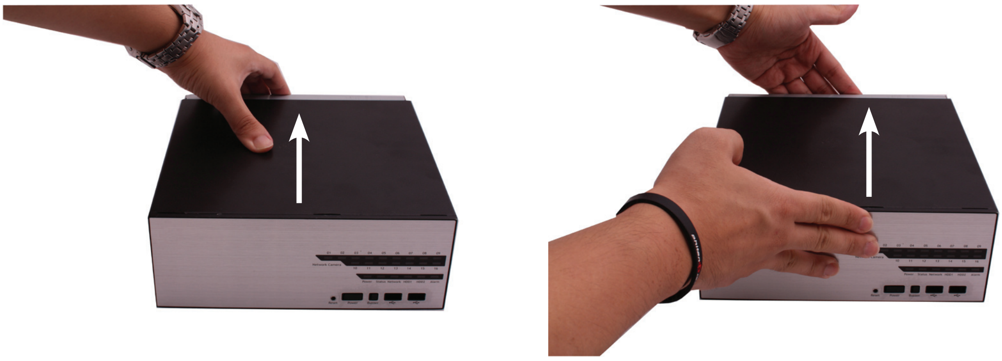
Make sure the SATA connectors are aligned with each other correctly



Secure the hard drive with the tool-less screw provided in the box

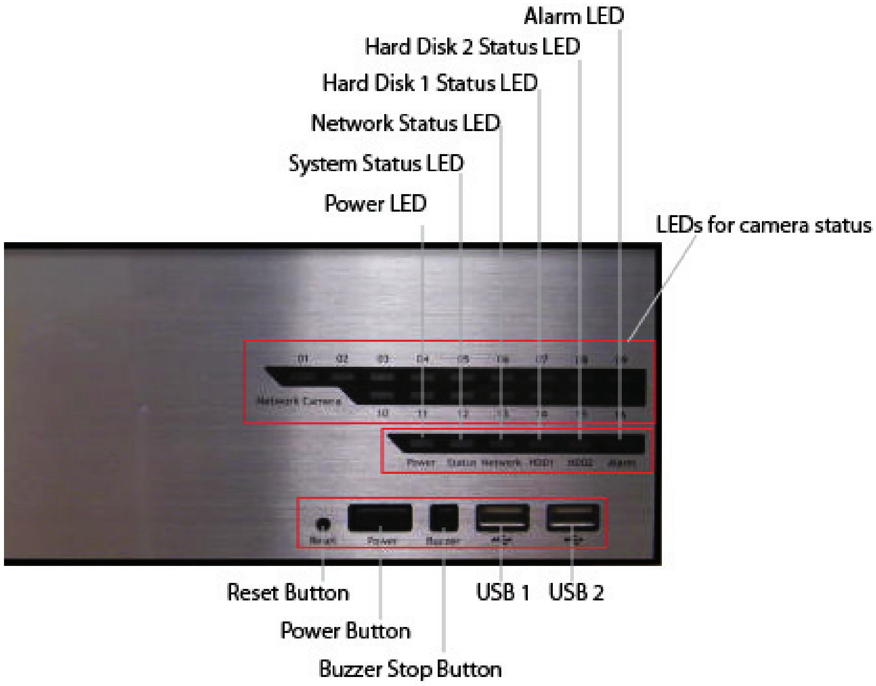


Place the top housing back and secure it with the bottom housing

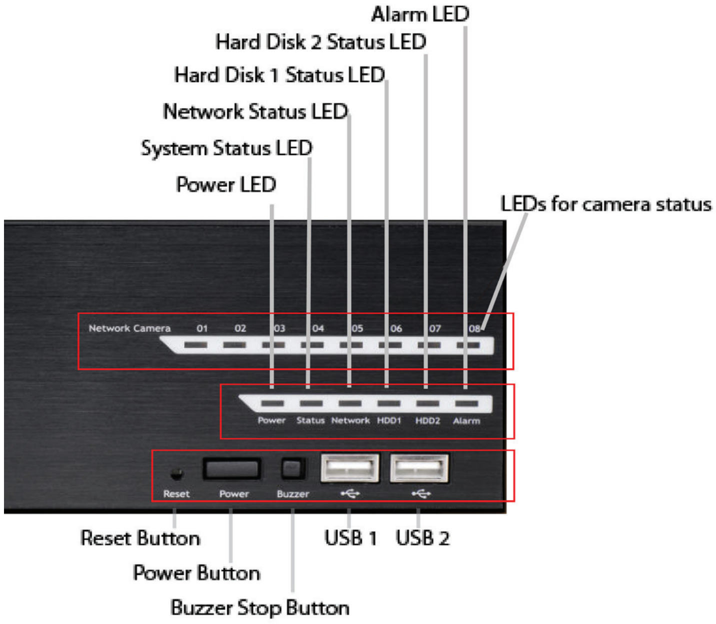


Hardware Illustration (Front)

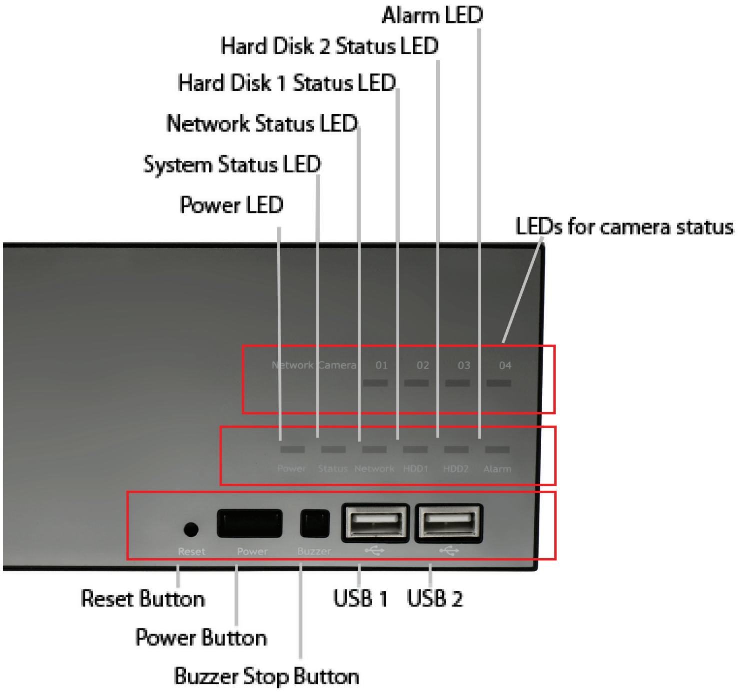
16 Channel


Alarm LED
Hard Disk 2 Status LED
Hard Disk 1 Status LED
Network Status LED
System Status LED
Power LED
LEDs for camera status
Reset Button
Power Button
Buzzer Stop Button
USB 1
USB 2

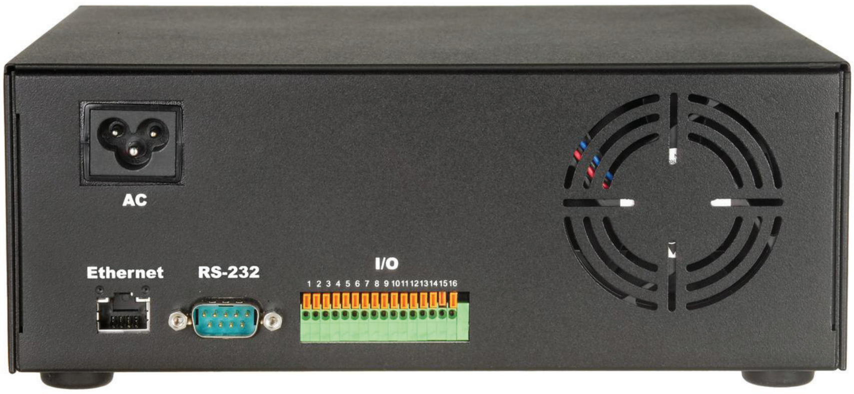
8 Channel

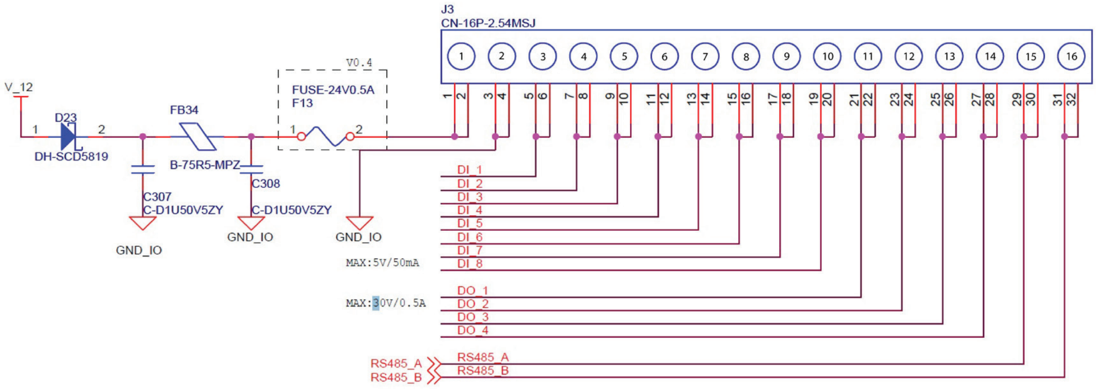

Alarm LED
Hard Disk 2 Status LED
Hard Disk 1 Status LED
Network Status LED
System Status LED
Power LED
LEDs for camera status
Network Camera
01
02
03
04
05
06
07
08
Power
Status
Network
HDD1
HDD2
Alarm
Reset
Power
Buzzer
Reset Button
Power Button
Buzzer Stop Button
USB 1
USB 2

4 Channel


Alarm LED
Hard Disk 2 Status LED
Hard Disk 1 Status LED
Network Status LED
System Status LED
Power LED
LEDs for camera status
Network Camera
01
02
03
04
Power
Status
Network
HDD1
HDD2
Alarm
Reset
Power
Buzzer
Reset Button
Power Button
Buzzer Stop Button
USB 1
USB 2

I/O Ports and RS-485 (Rear)

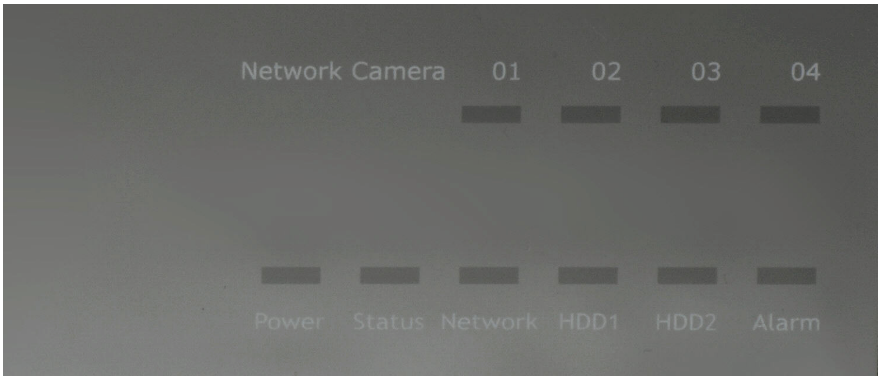

AC
Ethernet
RS-232
I/O
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16


J3
CN-16P-2.54MSJ
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
V_12
D23
DH-SCD5819
FB34
B-75R5-MPZ
C307
C-D1U50V5ZY
C308
C-D1U50V5ZY
V0.4
FUSE-24V0.5A
F13
GND_IO
GND_IO
GND_IO
DI_1
DI_2
DI_3
DI_4
DI_5
DI_6
DI_7
DI_8
MAX:5V/50mA
DO_1
DO_2
DO_3
DO_4
MAX:30V/0.5A
RS485_A
RS485_B
RS485_A
RS485_B

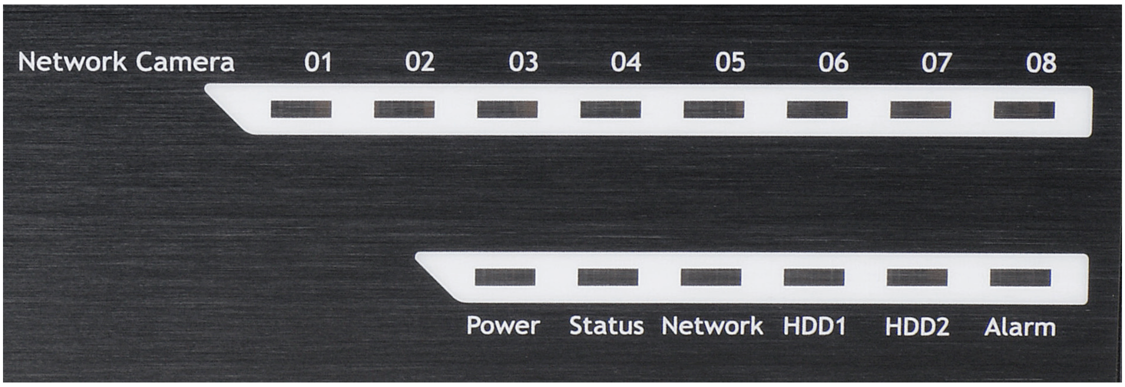
Pin	Signal
1	12V DC
2	GND
3~10	Alarm input
11	Out1
12	Out2
13	Out3
14	Out4
15	RS485+
16	RS485-

LEDs Definition

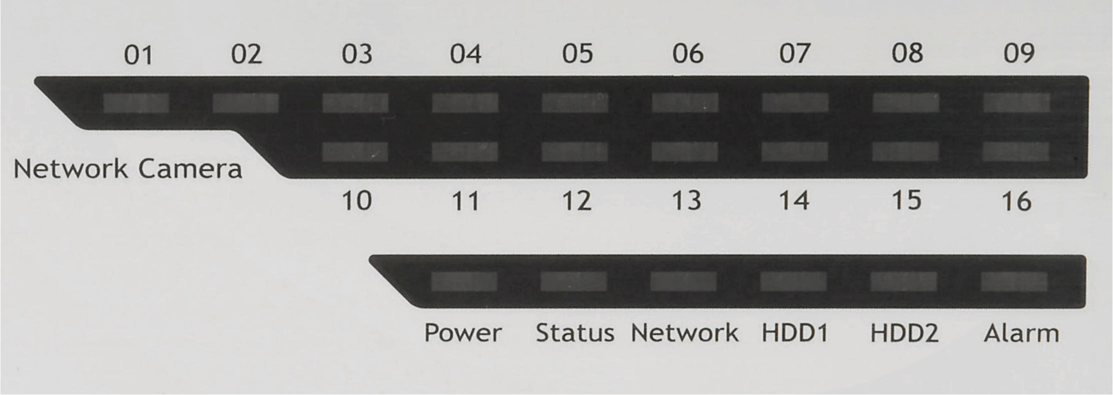
4 Channel


Network Camera
01
02
03
04
Power
Status
Network
HDD1
HDD2
Alarm

8 Channel


Network Camera
01
02
03
04
05
06
07
08
Power
Status
Network
HDD1
HDD2
Alarm

16 Channel


01
02
03
04
05
06
07
08
09
Network Camera
10
11
12
13
14
15
16
Power
Status
Network
HDD1
HDD2
Alarm

LEDs Definition

HDD x 2	Green	Solid green when the hard disk is mounted and being accessed
	Red	Solid red for disk fail
	Amber	Solid amber when recording is in process Blinking when recycling
Network	Amber	Solid amber for activity on a 1G bps network.
	Green	Solid green for activity on a 10/100 Mbps network.
Status	Amber	Blinking during firmware upgrade
	Green	Shows solid green for normal operation. Blinking green when firmware upgrade is done
	Red	Flashes red for failed firmware upgrade.
Power	Green	Normal operation
	Red	System off (power adapter remains plugged in)
	Amber	Blinking amber indicating device is initializing
Alarm	Red	Blinking when an alarm occurs
	None	When alarm is reset

Camera LED	Green	Solid green, live connected with no event or recording activity
	Amber	Blinking amber, manual or event recording is being performed
	Amber	Solid amber, schedule or continuous recording is being performed
	Red	Recording is set but no video from camera

Connect to the NVR

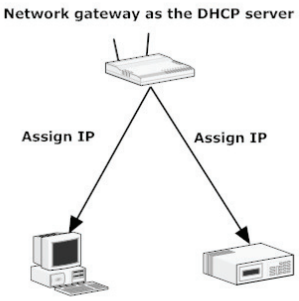
There are various ways you can connect to the NVR and below are the suggested methods for different network setup:

- The NVR is placed in a network with a DHCP server: Connect to the NVR by using **"Smart Device Search" Utility**
- The NVR is placed in a network without DHCP server (or you are connecting to it directly): **Access NVR with its default IP**

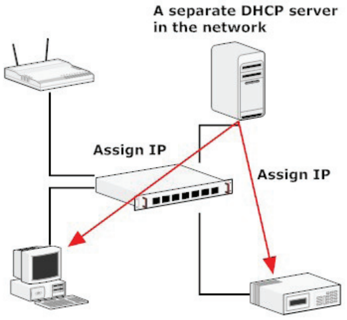
Use Smart Device Search Utility

If the NVR is placed in a corporate network or a local area network where a DHCP server is already presented, install the "Smart Device Search" utility on the CD from a computer that is on the same network and locate the NVR with its IP address that is assigned by the top-level DHCP server.

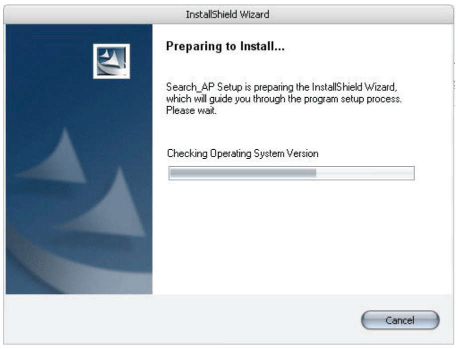
1.


Network gateway as the DHCP server
Assign IP
Assign IP

2.


A separate DHCP server in the network
Assign IP
Assign IP

To begin, launch the "Smart Deivce Search" utility from the CD and proceed with the installation:


InstallShield Wizard

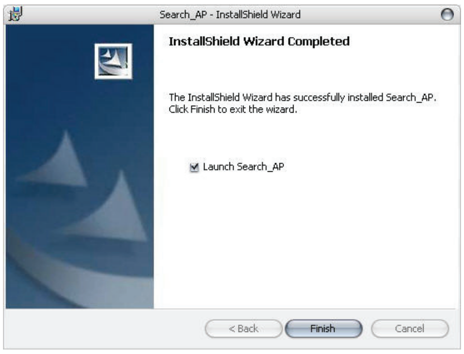
Preparing to Install...

Search_AP Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.

Checking Operating System Version

Cancel

Once the installation is complete, check the "Launch the Search AP" option and click "Finish":



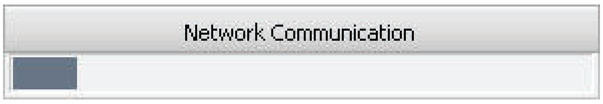
Search_AP - InstallShield Wizard

InstallShield Wizard Completed

The InstallShield Wizard has successfully installed Search_AP.
Click Finish to exit the wizard.

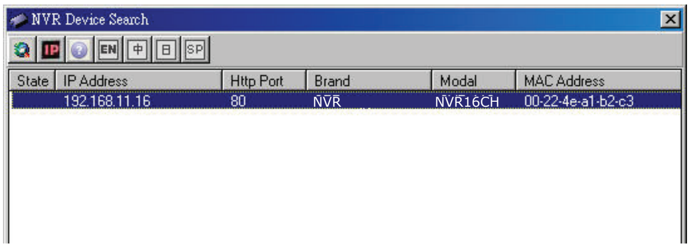
☑ Launch Search_AP

The search should start automatically and its status should be displayed:



The NVR should be located and its IP address should be displayed:

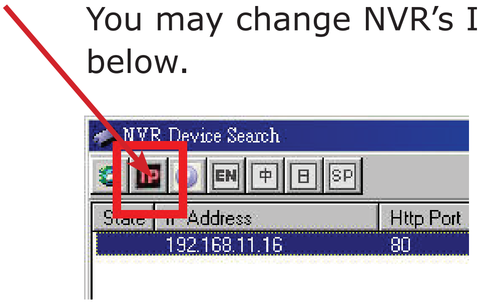
Double-click on it and the program should automatically access the NVR's web administration page from your default browser



NVR Device Search

State	IP Address	Http Port	Brand	Modal	MAC Address
	192.168.11.16	80	NVR	NVR16CH	00-22-4e-a1-b2-c3

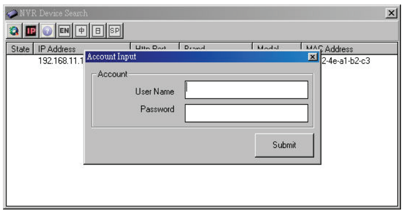
You may change NVR's IP address by click on the button highlighted below.

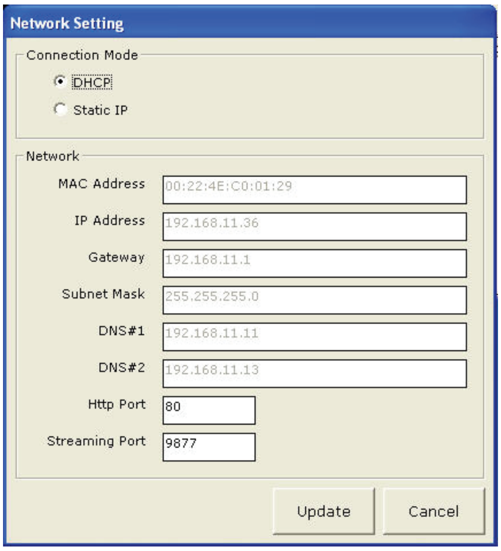


NVR Device Search

State	IP Address	Http Port
	192.168.11.16	80

You will be prompted for the NVR's login information before proceeding to change device's IP address.


NVR Device Search
EN
中
日
SP
State
IP Address
Http Port
Brand
Model
MAC Address
192.168.11.1
2-4e-a1-b2-c3
Account Input
Account
User Name
Password
Submit

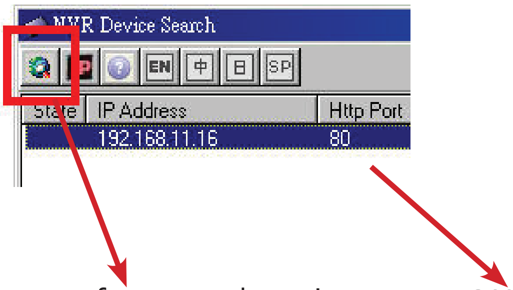

Network Setting

Connection Mode
● DHCP
○ Static IP

Network
MAC Address 00:22:4E:C0:01:29
IP Address 192.168.11.36
Gateway 192.168.11.1
Subnet Mask 255.255.255.0
DNS#1 192.168.11.11
DNS#2 192.168.11.13
Http Port 80
Streaming Port 9877

Update
Cancel

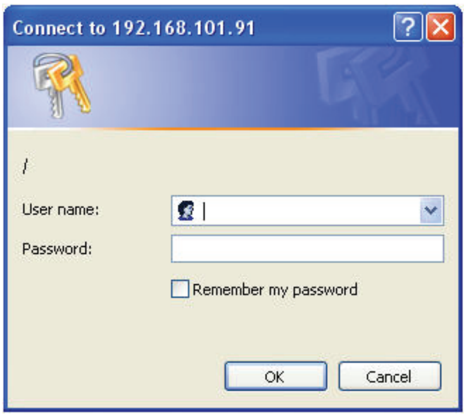
You may click on the button highlighted below to perform search again. Or double-click on any of the search results to access NVR's web administration page


NVR Device Search
EN
中
日
SP
State
IP Address
Http Port
192.168.11.16
80

perform search again

access NVR's web administration page

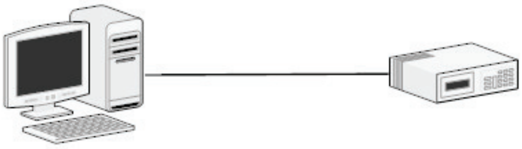
You should be prompted for the NVR's username and password. Enter its default username "**admin**" and password "**admin**" and then click"OK" to enter the system


Connect to 192.168.101.91
/
User name:
Password:
☐ Remember my password
OK
Cancel

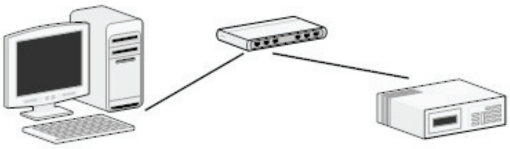
Access NVR with its default IP address

The NVR comes with a pre-configured static IP “**192.168.101.50**”. However, it is only used when there is no DHCP server presented in the network. The NVR will turn on its DHCP server function and act as the DHCP server in the network. To connect to the NVR, use a PC that is on the same network over a switch or hub, or connect the PC directly to the NVR using a crossover CAT5 Ethernet cable.

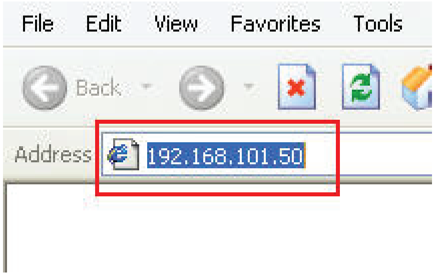
1.



2.

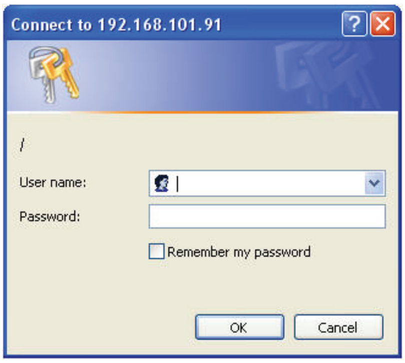


The PC that is connected directly to the NVR (or within the same local area network) should receive an IP from it. Simply access the NVR from your web browser with its IP address



Address 192.168.101.50

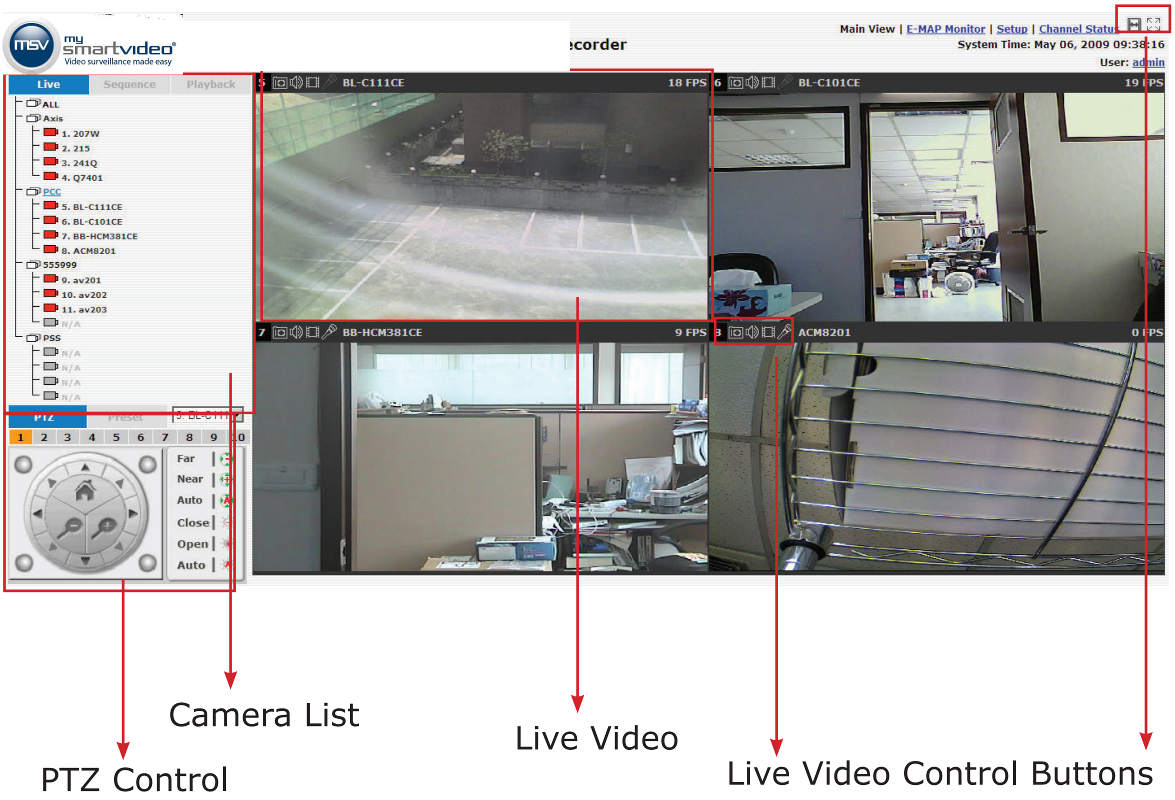
Again, you should be prompted for the username and password. Enter its default username “**admin**” and password “**admin**” and then click”OK” to enter the system



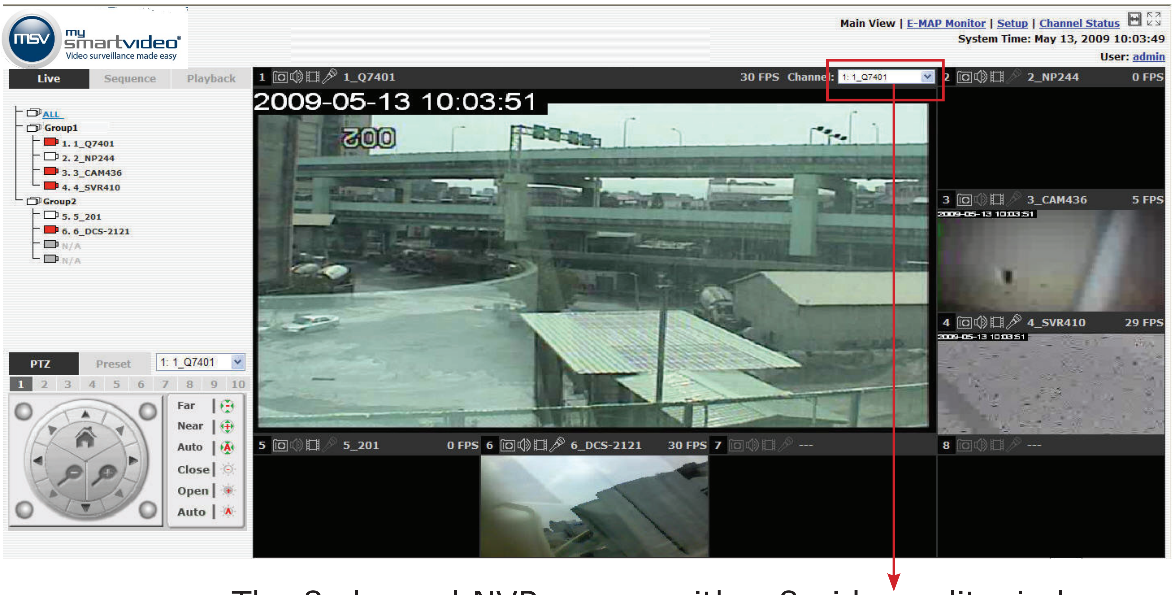
Connect to 192.168.101.91

1. Live View

NVR16CH

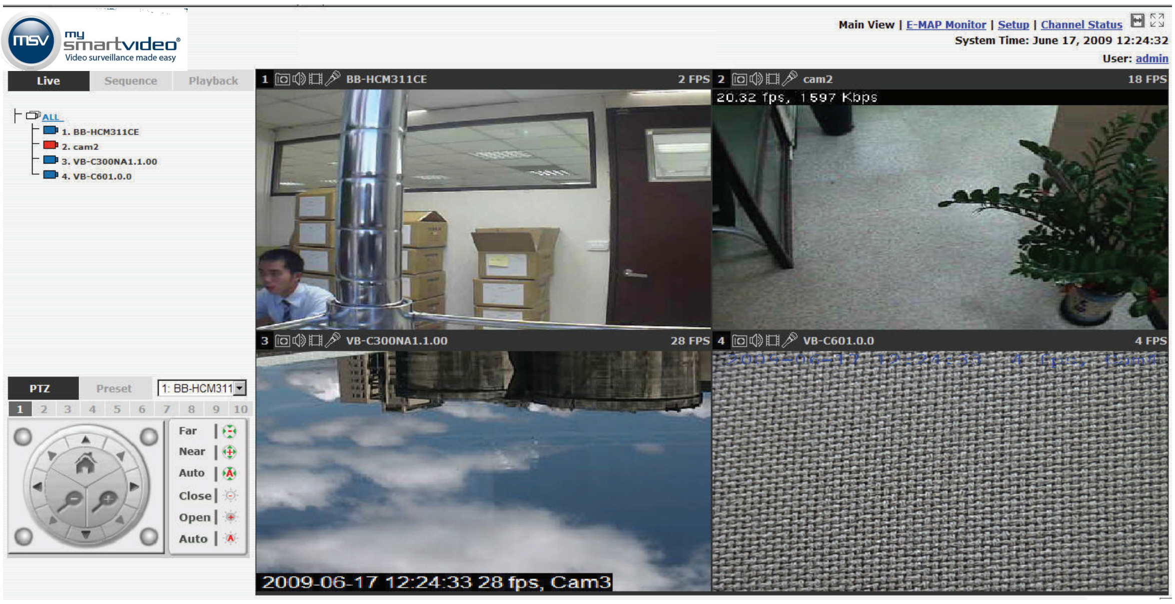

my smartvideo
Video surveillance made easy
Main View | E-MAP Monitor | Setup | Channel Status
System Time: May 06, 2009 09:38:16
User: admin
Live
Sequence
Playback
ALL
Axis
1. 207W
2. 215
3. 241Q
4. Q7401
PCC
5. BL-C111CE
6. BL-C101CE
7. BB-HCM381CE
8. ACM8201
555999
9. av201
10. av202
11. av203
PSS
N/A
PTZ
Preset
Far
Near
Auto
Close
Open
Auto
BL-C111CE 18 FPS
BL-C101CE 19 FPS
BB-HCM381CE 9 FPS
ACM8201 0 FPS
Camera List
Live Video
PTZ Control
Live Video Control Buttons

NVR8CH


my smartvideo
Video surveillance made easy
Main View | E-MAP Monitor | Setup | Channel Status
System Time: May 13, 2009 10:03:49
User: admin
Live
Sequence
Playback
ALL
Group1
1. 1_Q7401
2. 2_NP244
3. 3_CAM436
4. 4_SVR410
Group2
5. 5_201
6. 6_DCS-2121
N/A
PTZ
Preset
1: 1_Q7401
Far
Near
Auto
Close
Open
Auto
1 1_Q7401 30 FPS Channel: 1: 1_Q7401
2009-05-13 10:03:51
2 2_NP244 0 FPS
3 3_CAM436 5 FPS
4 4_SVR410 29 FPS
5 5_201 0 FPS
6 6_DCS-2121 30 FPS
7 ---
8 ---

The 8 channel NVR comes with a 8-video split window view with one video displays on a larger window. Select a channel from the drop-down menu to display its video on the larger split window. You can also double-click on any of the smaller one to display its video to the larger window.

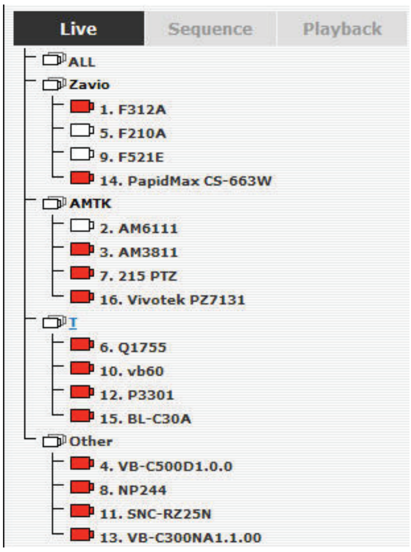
NVR4CH


my smartvideo
Video surveillance made easy
Main View | E-MAP Monitor | Setup | Channel Status
System Time: June 17, 2009 12:24:32
User: admin
Live
Sequence
Playback
ALL
1. BB-HCM311CE
2. cam2
3. VB-C300NA1.1.00
4. VB-C601.0.0
1 BB-HCM311CE 2 FPS
2 cam2 18 FPS
20.32 fps, 1597 Kbps
3 VB-C300NA1.1.00 28 FPS
4 VB-C601.0.0 4 FPS
2009-06-17 12:24:33 28 fps, Cam3
PTZ
Preset
1: BB-HCM311
1 2 3 4 5 6 7 8 9 10
Far
Near
Auto
Close
Open
Auto

The "Live View" page provides the following functions:

- Retrieve camera's video stream
- Retrieve camera's status
- Perform Live Sequence Viewing
- PTZ Control
- Perform PTZ Preset Sequence viewing
- Perform manual recording
- Take snapshot
- Receive audio of a video stream
- Send audio
- Control "Buzzer"
- Change web UI display language

1.1 Retrieve camera's video stream


Live
Sequence
Playback
ALL
Zavio
1. F312A
5. F210A
9. F521E
14. PapidMax CS-663W
AMTK
2. AM6111
3. AM3811
7. 215 PTZ
16. Vivotek PZ7131
I
6. Q1755
10. vb60
12. P3301
15. BL-C30A
Other
4. VB-C500D1.0.0
8. NP244
11. SNC-RZ25N
13. VB-C300NA1.1.00

The camera list is expanded and displayed on the Live View page.

- Click "All" to display videos in the Quad-video mode (NVR4CH), 8-video mode (NVR8CH) or 16-video mode (NVR16CH)

- Click on a "Group" (ex. Group 1) to display videos from cameras under that group in quad view

- Click on any camera to display video in single-view mode

1.2 Retrieve camera's status

The camera list can show each camera's current status. Each status is represented with different colors and their meanings are explained on the left

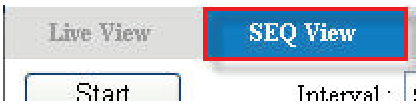
🟦 Camera is connected

⬜ Camera is NOT connected

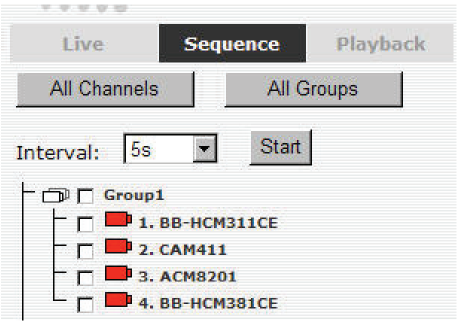
🟥 Camera is current performing recording

1.3 Perform Sequence Viewing

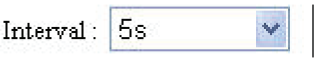
Sequence view is a function that allows you to view multiple video streams from certain cameras in sequence automatically without having to select them one by one.
To perform sequence view, select "SEQ View" from the upper-left hand corner


Live View
SEQ View
Start
Interval :

Next, select one or more camera(s) or camera group(s) for sequence viewing


Live
Sequence
Playback
All Channels
All Groups
Interval:
5s
Start
☐ Group1
☐ 1. BB-HCM311CE
☐ 2. CAM411
☐ 3. ACM8201
☐ 4. BB-HCM381CE

Then select dwell interval from the drop-down menu


Interval :
5s

Finally click "Start" to start sequence viewing

** Click "All Channels" to quickly select all available channels and start sequence view in single-view mode.*

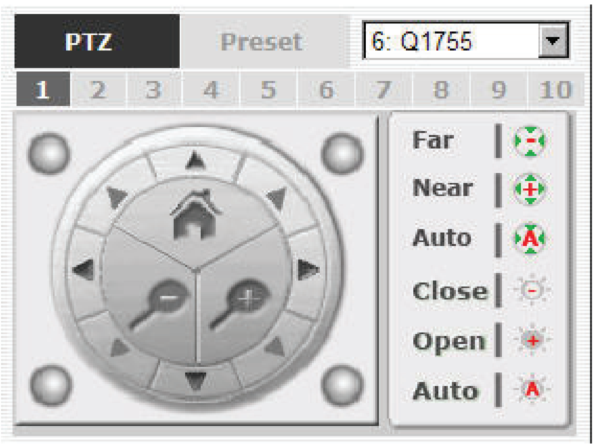
Click "All Groups" to quick select all available groups and start sequence view in quad-view mode

Or simply select the desired channels and press "Start" to start sequence view

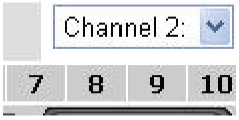
The "All Group" button is not available in 4Ch NVR as it only has one group

1.4 PTZ Control

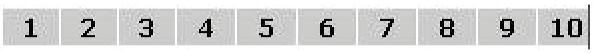
PTZ control provides functions to pan, tilt, zoom a PTZ camera as well as the ability to adjust camera focus and iris


PTZ
Preset
6: Q1755
1
2
3
4
5
6
7
8
9
10
Far
Near
Auto
Close
Open
Auto

Camera(s) that are currently being selected for live viewing will be listed in the PTZ drop-down menu. Simply select a camera then use the PTZ control panel to control the camera


Channel 2:
7
8
9
10

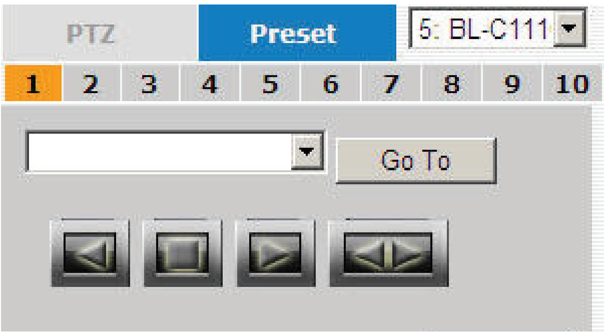
The bar shown below allows you to control the pan/tilt speed


1
2
3
4
5
6
7
8
9
10

1.5 Perform PTZ Preset Viewing

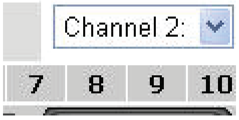
There are three functions provided in the "Preset" section:

- Perform preset point viewing of a particular camera
- Auto pan a particular camera
- Perform preset point sequence viewing

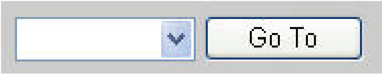

PTZ
Preset
5: BL-C111
1
2
3
4
5
6
7
8
9
10
Go To

Preset Point Viewing

Start by selecting a PTZ camera from the drop-down list:


Channel 2:
7
8
9
10

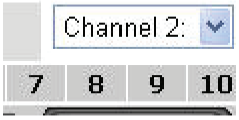
Its available PTZ preset points will be listed in the drop-down list shown below:



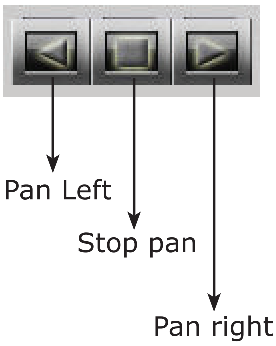
Select a preset position from the drop-down list and click "Go to" to move the live view to that position

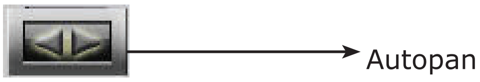
Auto Pan Viewing

Start by selecting a PTZ camera from the drop-down list:



Use the Auto Pan control buttons to pan right, left and stop auto pan





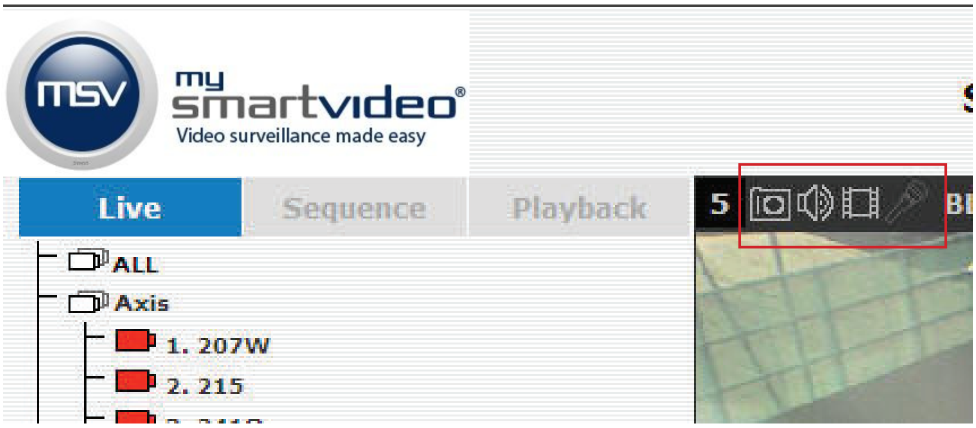
**** Certain cameras do not support bi-directional pan movements. Use the "Autopan" button for such cameras***

Preset Point Sequence Viewing

This function allows you to view multiple preset points videos of a camera without having to select them one by one. Once you have defined the prefered preset points in "**Channel Configurations**" >> **"PTZ Setting"** >> "**PTZ Preset Sequence**" under the "**Setup**" menu, click "Start" here and the recorder will begin to display videos from those preset points in sequence automatically until you click "Stop"

1.6 Live Video Control Buttons

Each live video window comes with control buttons with functions described below:

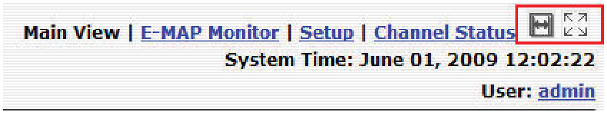

msv
my
smartvideo®
Video surveillance made easy
Live
Sequence
Playback
5
ALL
Axis
1. 207W
2. 215

Take a snapshot of a live video

Turn on/off audio of a live video

Start/stop recording of a live video (manual recording)

Audio post function


Main View | E-MAP Monitor | Setup | Channel Status

System Time: June 01, 2009 12:02:22

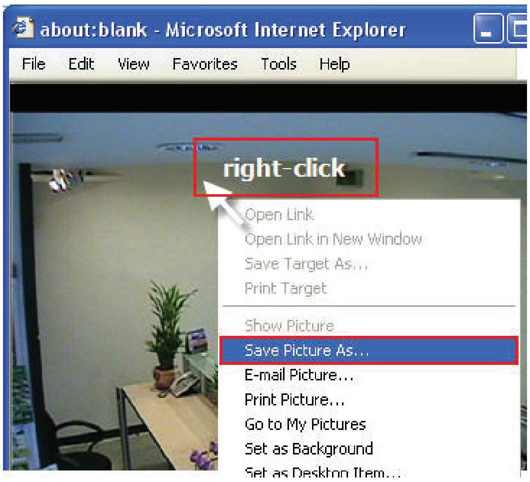
User: admin

Full screen view of a live video

Display video in its original ratio

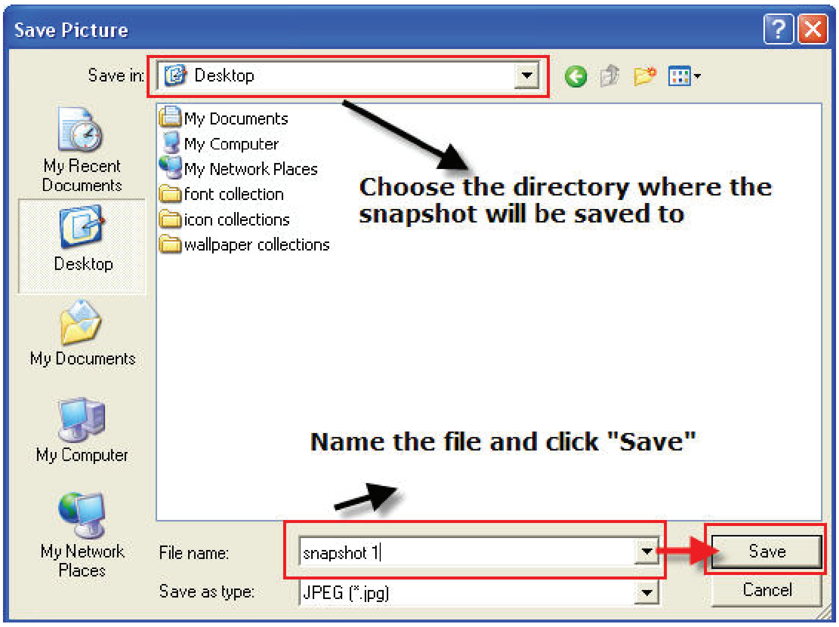
Take a snapshot of a live video

To take a snapshot of a live video, click the 📷 button and the snapshot of the video will be displayed in a pop up window shown like below


about:blank - Microsoft Internet Explorer
File Edit View Favorites Tools Help
right-click
Open Link
Open Link in New Window
Save Target As...
Print Target
Show Picture
Save Picture As...
E-mail Picture...
Print Picture...
Go to My Pictures
Set as Background
Set as Desktop Item...

Right-click anywhere on the image and select "Save Image as" from the pull-down menu

In the pop up dialog, name the image file and choose which directory the image will be saved to and click "Save"


Save Picture
My Recent Documents
Desktop
My Documents
My Computer
My Network Places
My Documents
My Computer
My Network Places
font collection
icon collections
wallpaper collections
Choose the directory where the snapshot will be saved to
Name the file and click "Save"
Save
Cancel

Save in: Desktop

File name: snapshot 1

Save as type: JPEG (*.jpg)

Full Screen View of a Live Video

To view a video in full screen, click the ⛶ button. To exit full screen video, double-click anywhere on the video.

Turn On/Off Audio of a Live Video

You can retrieve audio from a particular camera. Simply click the 🔈 button to do so.

The button will show in different color once the audio is turned on. 🔊 Click on it again to turn off audio.

Start/Stop Recording of a Live Video

You can manually start or stop recording of a live video by using the 🎞 button.

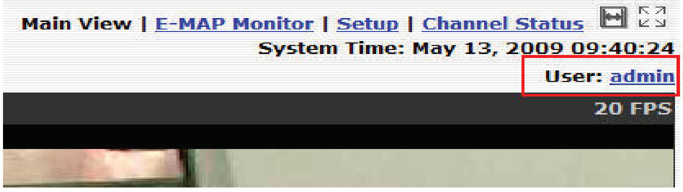
The button will show in different color once the recording is started manually. 🎞 Click on it again to stop recording.

Audio post

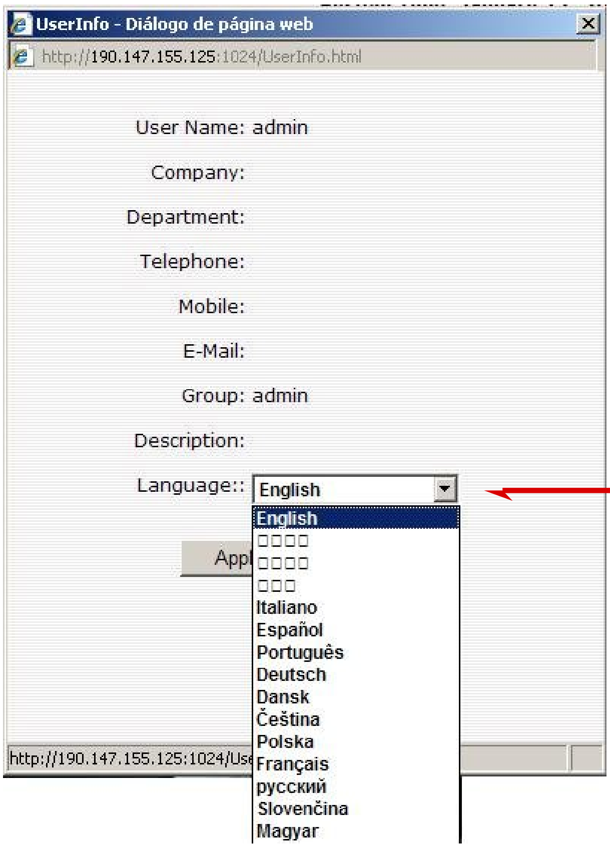
This function allows user to speak from a PC through a microphone and the audio can be played at the camera side if it has a speaker connected to it.

1.7 Change Web UI Display Language

You can change the web UI display language from the current login username link located at the upper-right hand corner. Click on the link opens up a new window which displays detail information about the user as well as a drop-down menu which lets you change the displyay language.


Main View | E-MAP Monitor | Setup | Channel Status
20 FPS

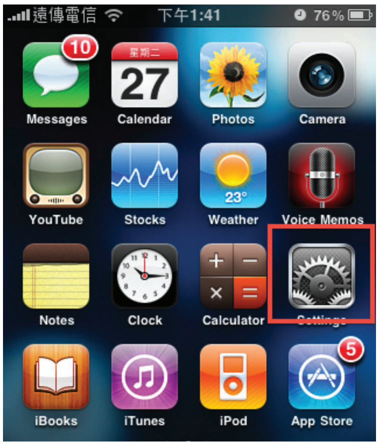
System Time: May 13, 2009 09:40:24
User: admin

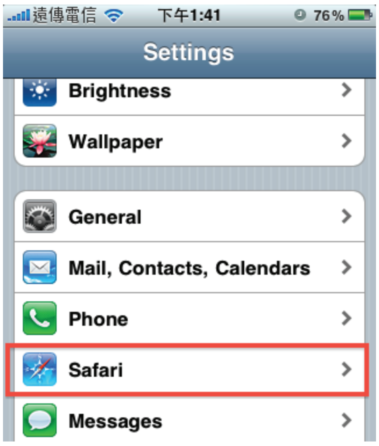

UserInfo - Diálogo de página web
http://190.147.155.125:1024/UserInfo.html
Appl
English
□□□□
□□□□
□□□
Italiano
Español
Português
Deutsch
Dansk
Čeština
Polska
Français
русский
Slovenčina
Magyar
http://190.147.155.125:1024/Use

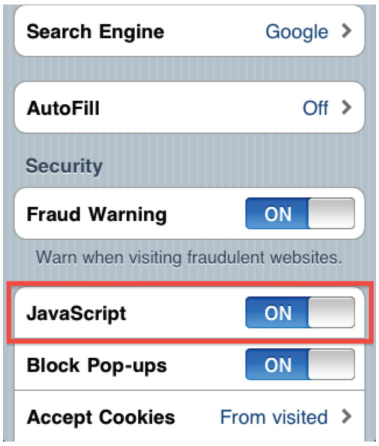
User Name: admin
Company:
Department:
Telephone:
Mobile:
E-Mail:
Group: admin
Description:
Language:: English

1.8 Live View through iPhone

You can use iPhone and perform single channel live view to the NVR by using its Safari browser. To be able to view the live video through the Safari browser, make sure “javascript” is on under “Settings” >> “Safari” >> “Javascript”


遠傳電信 下午1:41 76%
Messages
Calendar
Photos
Camera
YouTube
Stocks
Weather
Voice Memos
Notes
Clock
Calculator
Settings
iBooks
iTunes
iPod
App Store


遠傳電信 下午1:41 76%
Settings
Brightness
Wallpaper
General
Mail, Contacts, Calendars
Phone
Safari
Messages



Search Engine Google

AutoFill Off

Security

Fraud Warning ON

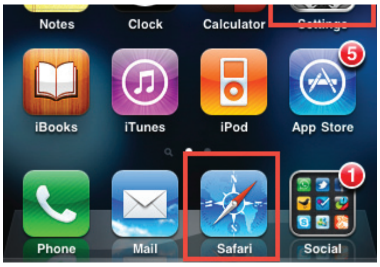
Warn when visiting fraudulent websites.

JavaScript ON

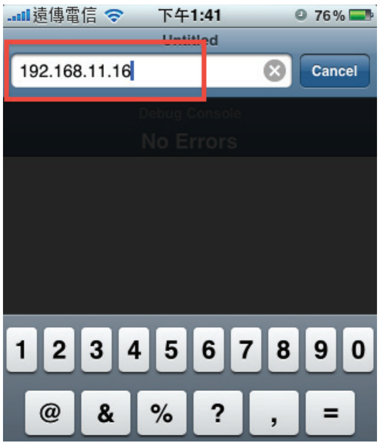
Block Pop-ups ON

Accept Cookies From visited

Once Javascript is enabled, click the “Home” button on the iPhone to go back to the home screen and open the Safari browser


Notes
Clock
Calculator
Settings
iBooks
iTunes
iPod
App Store
Phone
Mail
Safari
Social

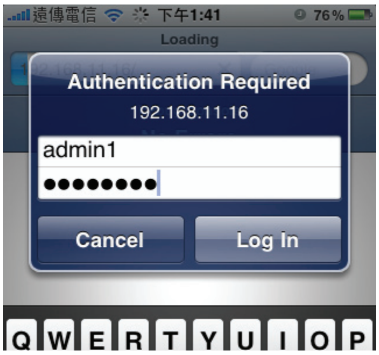
Type in the IP address of the NVR in the address bar



192.168.11.16

遠傳電信 下午1:41 76%
Untitled
Cancel
Debug Console
No Errors
1 2 3 4 5 6 7 8 9 0
@ & % ? , =

You should be prompted to enter the username and password to access the NVR


遠傳電信 下午1:41 76%
Loading
Cancel
Log In
Q W E R T Y U I O P

Authentication Required
192.168.11.16
admin1
●●●●●●●●●

Upon successful login, you should see the live view video of the first channel

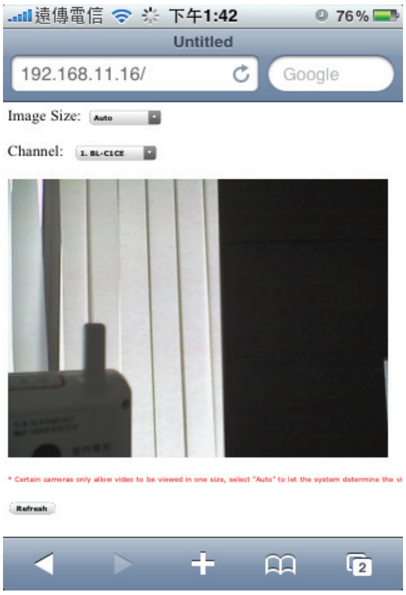
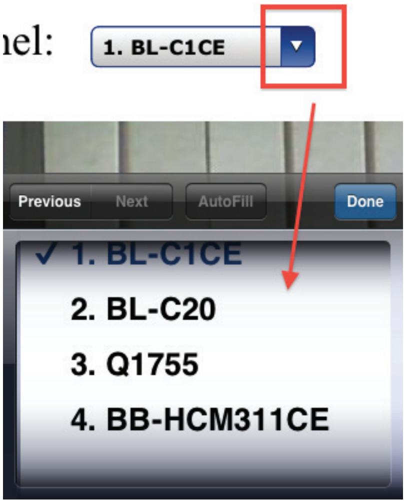

遠傳電信 下午1:42 76%
Untitled
192.168.11.16/
Google
Refresh
2

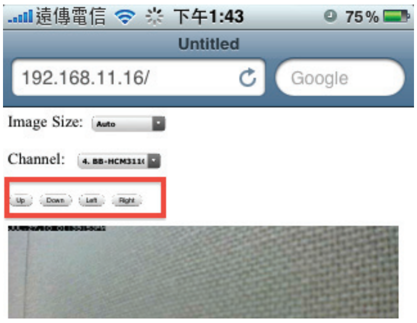
Image Size: Auto
Channel: 1. BL-C1CE

* Certain cameras only allow video to be viewed in one size, select "Auto" to let the system determine the vi

Click on the "Channe" drop-down menu to select other cameras


ıel:
1. BL-C1CE
Previous
Next
AutoFill
Done
✓ 1. BL-C1CE
2. BL-C20
3. Q1755
4. BB-HCM311CE

If a PTZ camera is selected, the corresponding control buttons will display (control PT only)

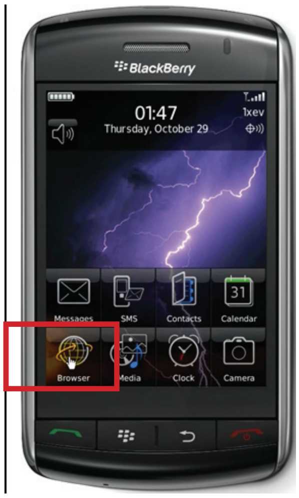


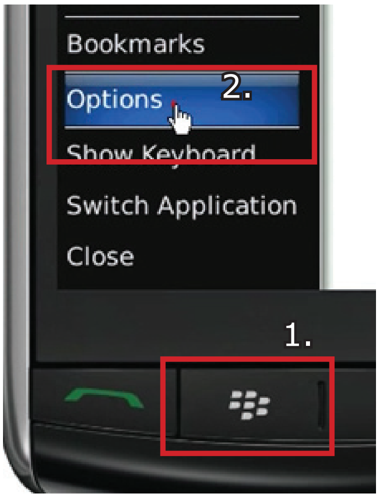
遠傳電信 下午1:43 75%
Untitled
192.168.11.16/
Google
Image Size: Auto
Channel: 4. BB-HCM311
Up
Down
Left
Right

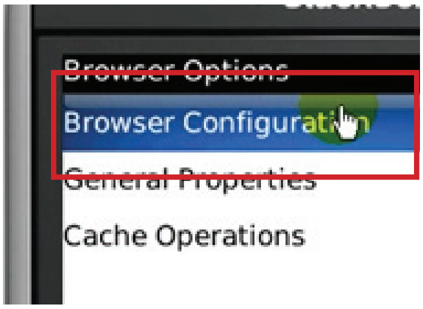
** Please note that this function is camera dependent and is not available to all cameras. Certain cameras do not allow adjusting image size and the selection "Auto" will be used.*

1.9 Live View through Blackberry Phones

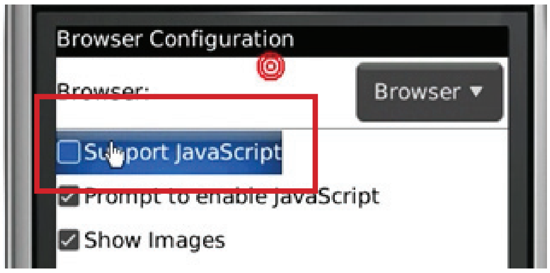
You can use Blackberry and perform single channel live view to the NVR by using its Safari browser. To be able to view the live video through its browser, make sure "javascript" is enabled under "Browser" >> "Menu button" >> "Options" >> "Browser Configuration"

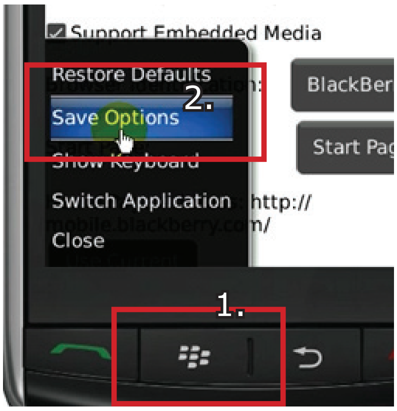

BlackBerry
01:47
Thursday, October 29
Messages
SMS
Contacts
Calendar
Browser
Media
Clock
Camera


Bookmarks
Options
2.
Show Keyboard
Switch Application
Close
1.

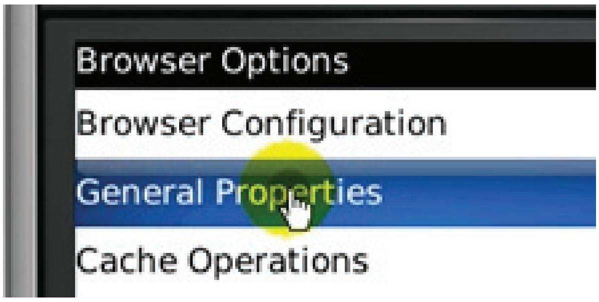

Browser Options
Browser Configuration
General Properties
Cache Operations

Enable the "Support Javascript" option and click the menu button and click "Save Options"

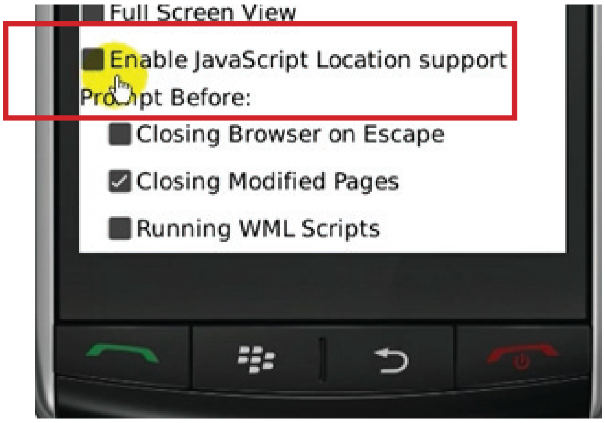

Browser Configuration
Browser:
Browser
Support JavaScript
Prompt to enable JavaScript
Show Images


Support Embedded Media
Restore Defaults
Save Options
2.
Show Keyboard
Switch Application
Close
BlackBer
Start Pag
http://
mobile.blackberry.com/
1.

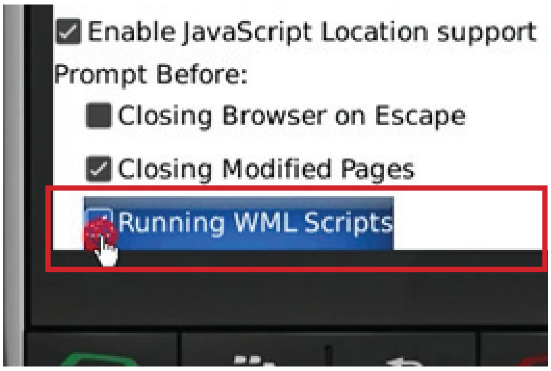
Go to "General Properties


Browser Options
Browser Configuration
General Properties
Cache Operations

Make sure two options illustrated below are enabled

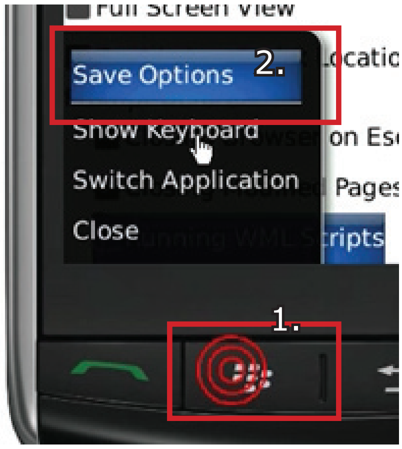


☐ Full Screen View
☐ Enable JavaScript Location support
Prompt Before:
☐ Closing Browser on Escape
☑ Closing Modified Pages
☐ Running WML Scripts



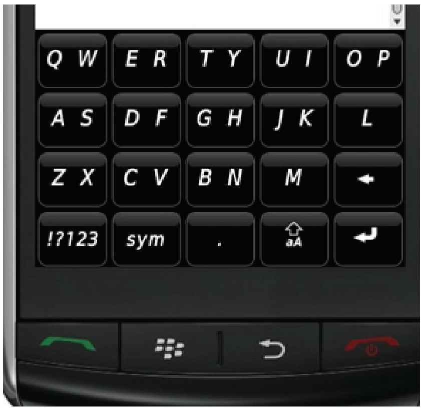
☑ Enable JavaScript Location support
Prompt Before:
☐ Closing Browser on Escape
☑ Closing Modified Pages
☑ Running WML Scripts

Press the menu button and click the "Save Options" to save settings



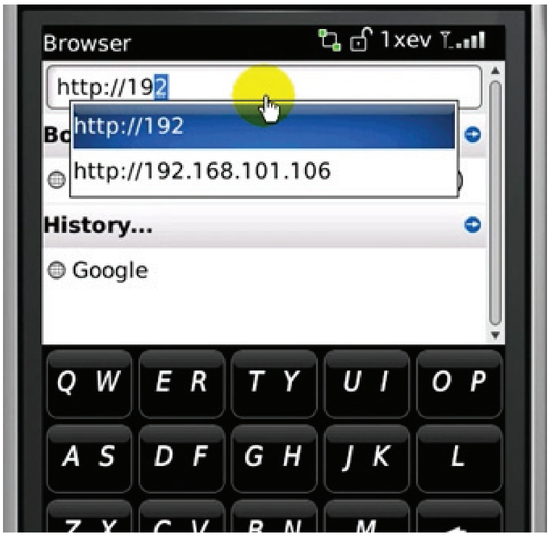
Save Options
2.
Show Keyboard
Switch Application
Close
1.

Press the button highlighted below to go back to the browser

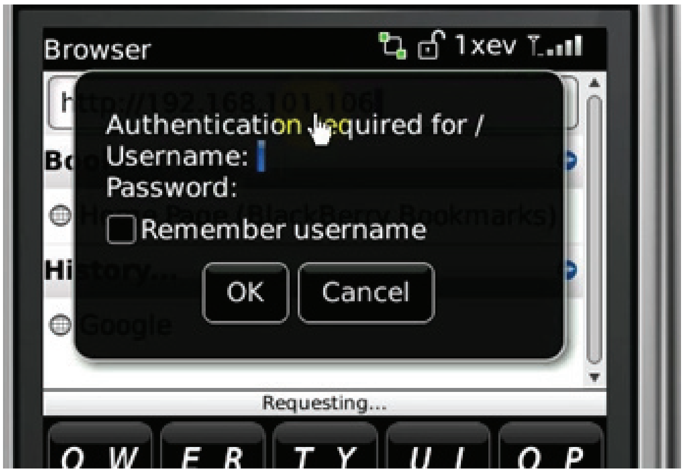


Q W
E R
T Y
U I
O P
A S
D F
G H
J K
L
Z X
C V
B N
M
!?123
sym
.
aA

Type in the IP address of the NVR in the address bar

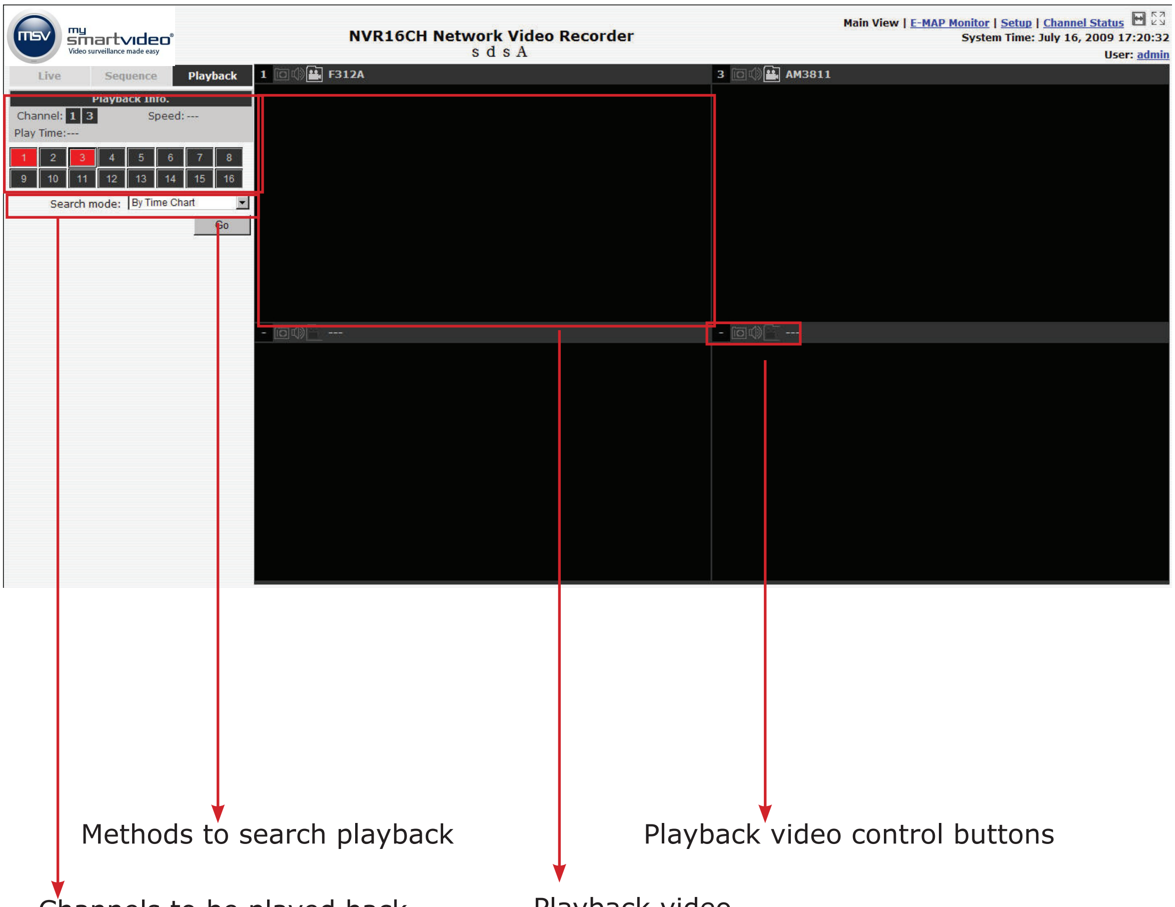

Browser
1xev
http://192
http://192
http://192.168.101.106
History...
Google
Q W E R T Y U I O P
A S D F G H J K L

You should be prompted to enter its username and password for access


Authentication required for /
Username:
Password:
☐ Remember username

Browser
1xev
OK
Cancel
Requesting...

2. Playback


my smartvideo
Video surveillance made easy
NVR16CH Network Video Recorder
s d s A
Main View | E-MAP Monitor | Setup | Channel Status
Live
Sequence
Playback
Playback Info.
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16
Go
1 F312A
3 AM3811
- ---

System Time: July 16, 2009 17:20:32

User: admin

Channel: 1 3

Speed: ---

Play Time:---

Search mode: By Time Chart

Methods to search playback

Playback video control buttons

Channels to be played back

Playback video

Playback is a function that allows you to play one or more videos that were previously recorded by a chosen recording method or due to an event trigger. The NVR offers synchronized playback from up to 4 channels and various types of search methods are provided to help you find the footage you need quickly.

You can turn on or off the audio of a recorded video at your choice if audio was also recorded during the recording of the video.

Playback video can be viewed in full screen and snapshots can be taken and saved during a video playback.

2.1 Methods to Search Playback Videos

The NVR offers three methods to quickly help users find videos that were previously recorded:

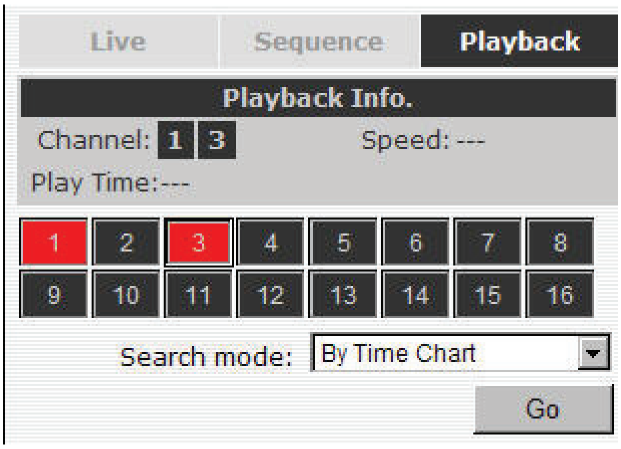
- Search by time: *Specifiy a time range and search videos recorded within that range*

- Search by event: *Find videos that were recorded due to event triggers*

- Play by start time: *Enter a specific time a video was recorded to start playing back the video*

Search by time chart

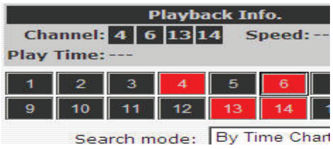
- Start by selecting which channel(s) you would like to perform a search on:


Live
Sequence
Playback
Playback Info.
Speed: ---
Play Time:---
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16
Go

Channel: 1 3

Search mode: By Time Chart

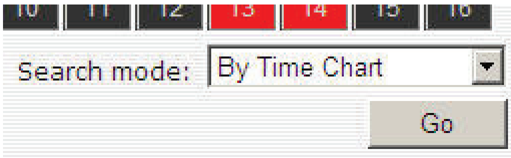
** Selected channels will be marked in red*


Playback Info.
Speed: --
Play Time: ---
1 2 3 4 5 6
9 10 11 12 13 14

Channel: 4 6 13 14

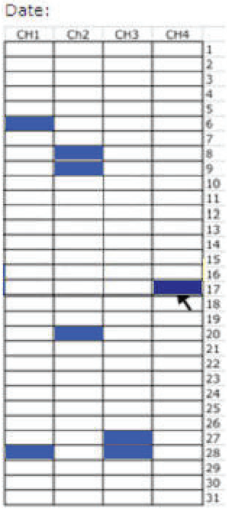
Search mode: By Time Chart

- Select "Search by time chart" from the "Search Method" drop-down list and click "Go" to start the search:


10 11 12 13 14 15 16
Go

Search mode: By Time Chart

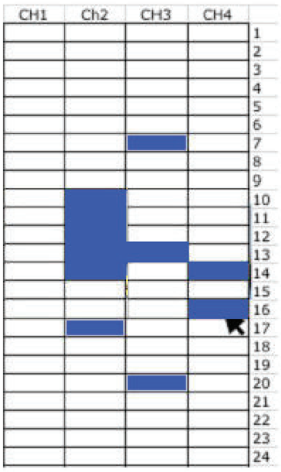
- Results will then be displayed in a "Date/Channel" table and boxes marked in blue represent videos found in those dates:



Date:

CH1	Ch2	CH3	CH4	
				1
				2
				3
				4
				5
■				6
				7
	■			8
	■			9
				10
				11
				12
				13
				14
				15
				16
			■	17
				18
				19
	■			20
				21
				22
				23
				24
				25
				26
		■		27
■		■		28
				29
				30
				31

- Click on any blue cell box should direct you to the hour/channel table if there were multiple videos recorded during that date:

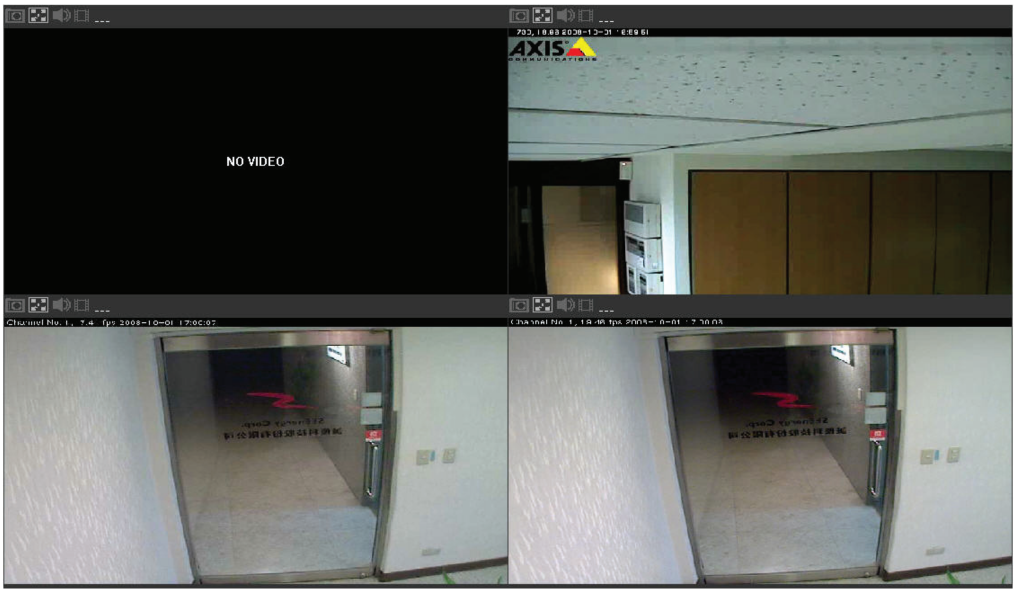


CH1	Ch2	CH3	CH4	
				1
				2
				3
				4
				5
				6
		■		7
				8
				9
	■			10
	■			11
	■			12
	■	■		13
	■		■	14
				15
			■	16
	■			17
				18
				19
		■		20
				21
				22
				23
				24

** Videos from other cameras that are recorded on the same date will also be displayed*

** Move the mouse cursor on a particular cell box without clicking gives you a preview of the play-back video n a small thumbnail*

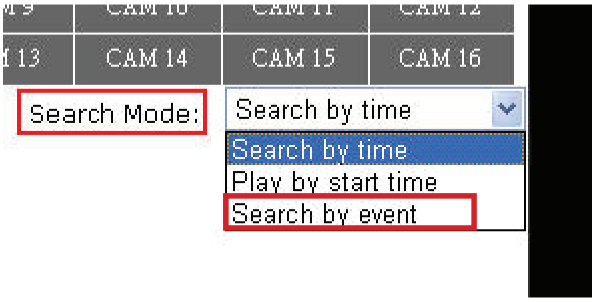
- Click on the cell box again will start playing back the videos if you have reached the end of search results:



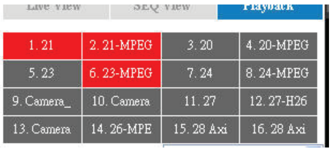
- Videos found from other cameras that were recorded at the same time will also be played.

Search by event

- Start by selecting which channel(s) you would like to perform a search on:


CAM 10
CAM 11
CAM 12
13
CAM 14
CAM 15
CAM 16
Search Mode:
Search by time
Search by time
Play by start time
Search by event

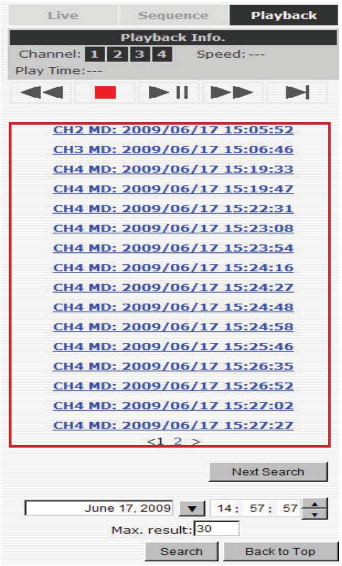
** Selected channels will be marked in red*


Live View
SEQ View
Playback

1. 21	2. 21-MPEG	3. 20	4. 20-MPEG
5. 23	6. 23-MPEG	7. 24	8. 24-MPEG
9. Camera_	10. Camera	11. 27	12. 27-H26
13. Camera	14. 26-MPE	15. 28 Axi	16. 28 Axi

- Select "Search by event" from the "Search Method" drop-down list and click "Go" to start the search:

- Results will then be listed like what is shown below (displays the oldest record top down). Click on a particular result to start the playback:


Live
Sequence
Playback
Playback Info.
Channel: 1 2 3 4
Speed: ---
Play Time:---
Next Search
Search
Back to Top

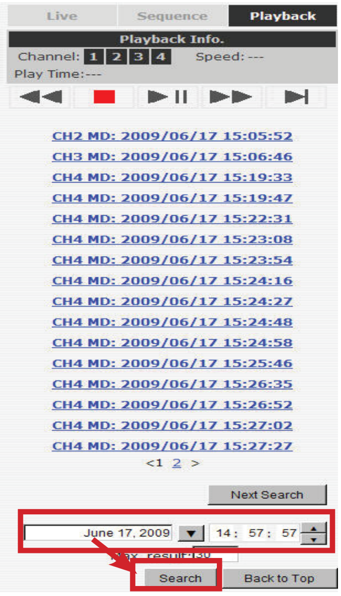
CH2 MD: 2009/06/17 15:05:52
CH3 MD: 2009/06/17 15:06:46
CH4 MD: 2009/06/17 15:19:33
CH4 MD: 2009/06/17 15:19:47
CH4 MD: 2009/06/17 15:22:31
CH4 MD: 2009/06/17 15:23:08
CH4 MD: 2009/06/17 15:23:54
CH4 MD: 2009/06/17 15:24:16
CH4 MD: 2009/06/17 15:24:27
CH4 MD: 2009/06/17 15:24:48
CH4 MD: 2009/06/17 15:24:58
CH4 MD: 2009/06/17 15:25:46
CH4 MD: 2009/06/17 15:26:35
CH4 MD: 2009/06/17 15:26:52
CH4 MD: 2009/06/17 15:27:02
CH4 MD: 2009/06/17 15:27:27
<1 2 >

June 17, 2009 14 : 57 : 57

Max. result: 30

** You can cilck "Next Search" to display the next 15 results.*

- You may also specify a new start time to search and display results from then on. You can restrict the number of results to be displayed at once (max. 30) and perform the search again

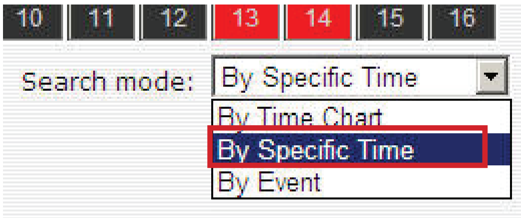

Live
Sequence
Playback
Playback Info.
Channel: 1 2 3 4
Speed: ---
Play Time:---
Next Search
Search
Back to Top

CH2 MD: 2009/06/17 15:05:52
CH3 MD: 2009/06/17 15:06:46
CH4 MD: 2009/06/17 15:19:33
CH4 MD: 2009/06/17 15:19:47
CH4 MD: 2009/06/17 15:22:31
CH4 MD: 2009/06/17 15:23:08
CH4 MD: 2009/06/17 15:23:54
CH4 MD: 2009/06/17 15:24:16
CH4 MD: 2009/06/17 15:24:27
CH4 MD: 2009/06/17 15:24:48
CH4 MD: 2009/06/17 15:24:58
CH4 MD: 2009/06/17 15:25:46
CH4 MD: 2009/06/17 15:26:35
CH4 MD: 2009/06/17 15:26:52
CH4 MD: 2009/06/17 15:27:02
CH4 MD: 2009/06/17 15:27:27
<1 2 >

June 17, 2009 ▼ 14 : 57 : 57
Max. result:30

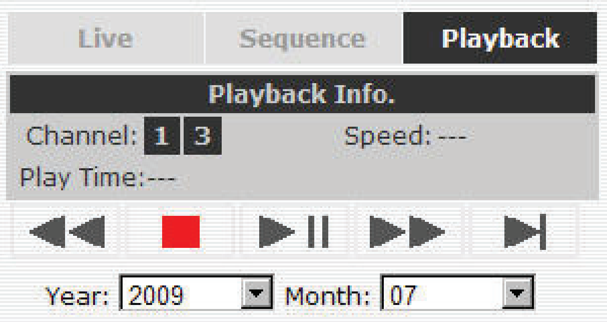
Play by specific time

If you know when a recording was taken place, you may choose the "Play by start time" from the "Search Method" drop-down list


10
11
12
13
14
15
16
By Time Chart
By Specific Time
By Event

Search mode: By Specific Time

Then you will be prompted to enter a specific time and date for the recorded video.

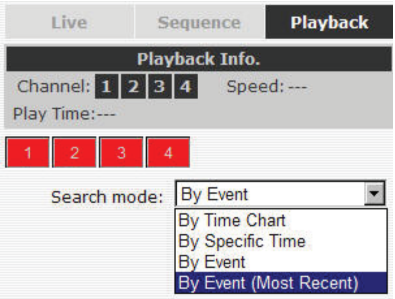

Live
Sequence
Playback
Playback Info.
Channel: 1 3
Speed: ---
Play Time:---

Year: 2009 Month: 07

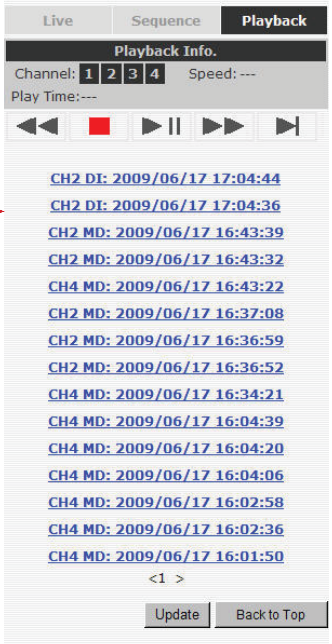
Use the ▼ button to select month, date, and year

Search by event (Most Recent)

This function quickly displays the most recent event recordings from the selected channels, displaying the most recent result top down. You may click "Update" to update the list to display the most recent result


Live
Sequence
Playback
Playback Info.
Channel: 1 2 3 4
Speed: ---
Play Time:---
1
2
3
4
By Time Chart
By Specific Time
By Event
By Event (Most Recent)

Search mode: By Event

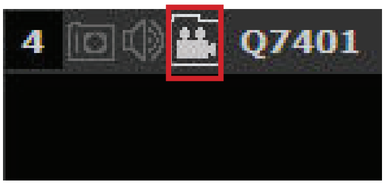

Live
Sequence
Playback
Playback Info.
Channel: 1 2 3 4
Speed: ---
Play Time:---
<1 >
Update
Back to Top

CH2 DI: 2009/06/17 17:04:44
CH2 DI: 2009/06/17 17:04:36
CH2 MD: 2009/06/17 16:43:39
CH2 MD: 2009/06/17 16:43:32
CH4 MD: 2009/06/17 16:43:22
CH2 MD: 2009/06/17 16:37:08
CH2 MD: 2009/06/17 16:36:59
CH2 MD: 2009/06/17 16:36:52
CH4 MD: 2009/06/17 16:34:21
CH4 MD: 2009/06/17 16:04:39
CH4 MD: 2009/06/17 16:04:20
CH4 MD: 2009/06/17 16:04:06
CH4 MD: 2009/06/17 16:02:58
CH4 MD: 2009/06/17 16:02:36
CH4 MD: 2009/06/17 16:01:50

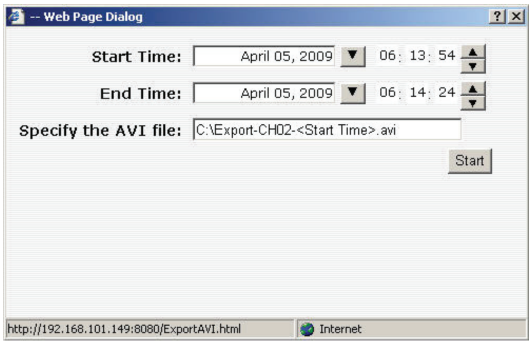
2.2 Export Playback Videos to AVI Files

User can export the recorded playback videos stored on the NVR to a local computer and save them in AVI file format. The files can then be played on the PC by a 3rd party media player such as VLC player or Windows Media player.

Once you locate the recorded videos with steps described in the previous section, hit the "Export AVI" button on a video window of the video you wish to export.



A new dialog will pop up and allows you to speficy the time frame (or length) of the video you wish to export



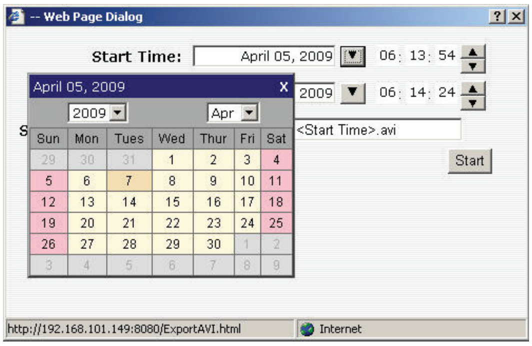
Start Time: April 05, 2009 06: 13: 54

End Time: April 05, 2009 06: 14: 24

Specify the AVI file: C:\Export-CH02-<Start Time>.avi

http://192.168.101.149:8080/ExportAVI.html

Click the ▼ button to pull down the calendar to help you specify the month, date and the year



Start Time: April 05, 2009 06: 13: 54

2009 06: 14: 24

<Start Time>.avi

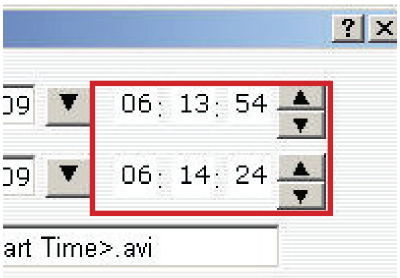
April 05, 2009

2009 Apr

Sun	Mon	Tues	Wed	Thur	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

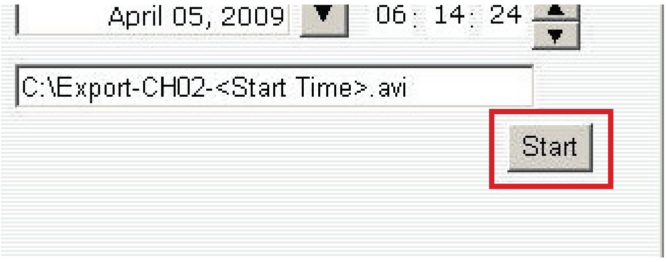
http://192.168.101.149:8080/ExportAVI.html

Specify the starting and ending hours of the video by entering numbers in the text boxes



?
09
06 : 13 : 54
09
06 : 14 : 24
art Time>.avi

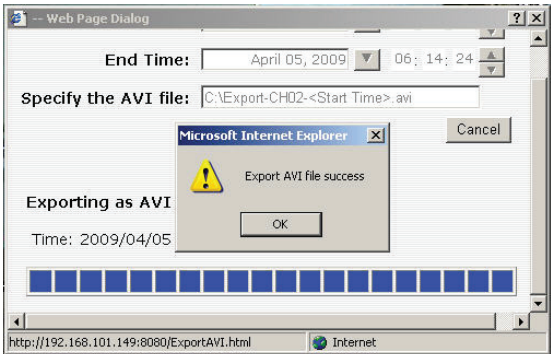
Hit the "Start" button to start exporting. The file will be automatically named and saved under the C:\ partition



April 05, 2009 06 : 14 : 24

C:\Export-CH02-<Start Time>.avi

You will be notified once the process is completed successfully



-- Web Page Dialog

End Time: April 05, 2009 06 : 14 : 24

Specify the AVI file: C:\Export-CH02-<Start Time>.avi

Microsoft Internet Explorer

Export AVI file success

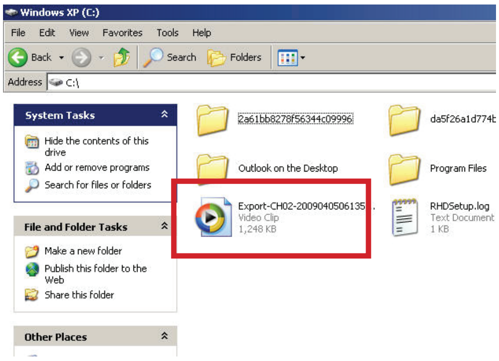
Exporting as AVI

Time: 2009/04/05

http://192.168.101.149:8080/ExportAVI.html

Cancel
OK
Internet

The exported AVI file will be saved under the C partition



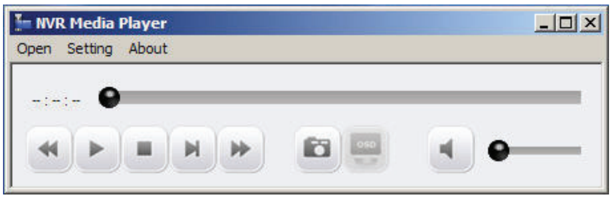
Windows XP (C:)
File
Edit
View
Favorites
Tools
Help
Back
Search
Folders
Address
C:\
System Tasks
Hide the contents of this drive
Add or remove programs
Search for files or folders
File and Folder Tasks
Make a new folder
Publish this folder to the Web
Share this folder
Other Places
2a61bb8278f56344c09996
da5f26a1d774b
Outlook on the Desktop
Program Files
Export-CH02-200904050613
Video Clip
1,248 KB
RHDSetup.log
Text Document
1 KB

** ffdshow is required in order to play the exported AVI file with Windows Media Player. You can get it at "http://sourceforge.net/projects/ffdshow-tryout/" to download the "ffdshow_beta6_rev2527_20081219.exe"*

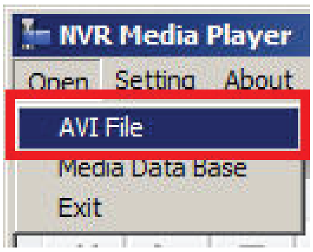
2.3 Play Exported Playback Videos with NVR Media Player

You can also use the NVR Media Player to play the exported AVI files. This can save you the trouble of installing third-party media player or codecs when playing the exported AVI videos.

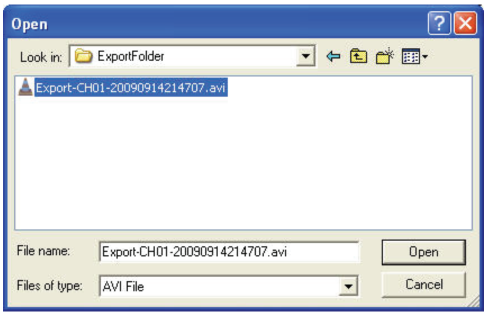
The NVR Media Player will be automatically installed after the CMS software is installed. You can launch the player under "Start" >> "All Programs" >> "IVS" >> "IVS Central Basic" >> "NVR Media Player"


NVR Media Player
Open
Setting
About
-:-:-
OSD

Click "Open" >> "AVI File"


NVR Media Player
Open
Setting
About
AVI File
Media Data Base
Exit

Locate the exported AVI file, and click "open". (normally under "C:\ExportFolder)"

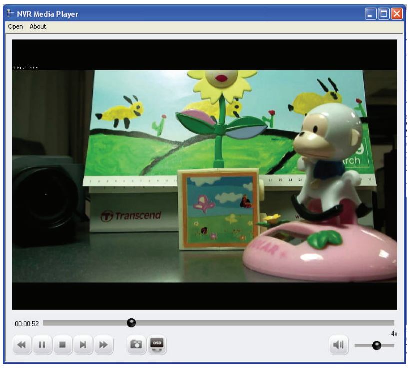

Open
Export-CH01-20090914214707.avi
Open
Cancel

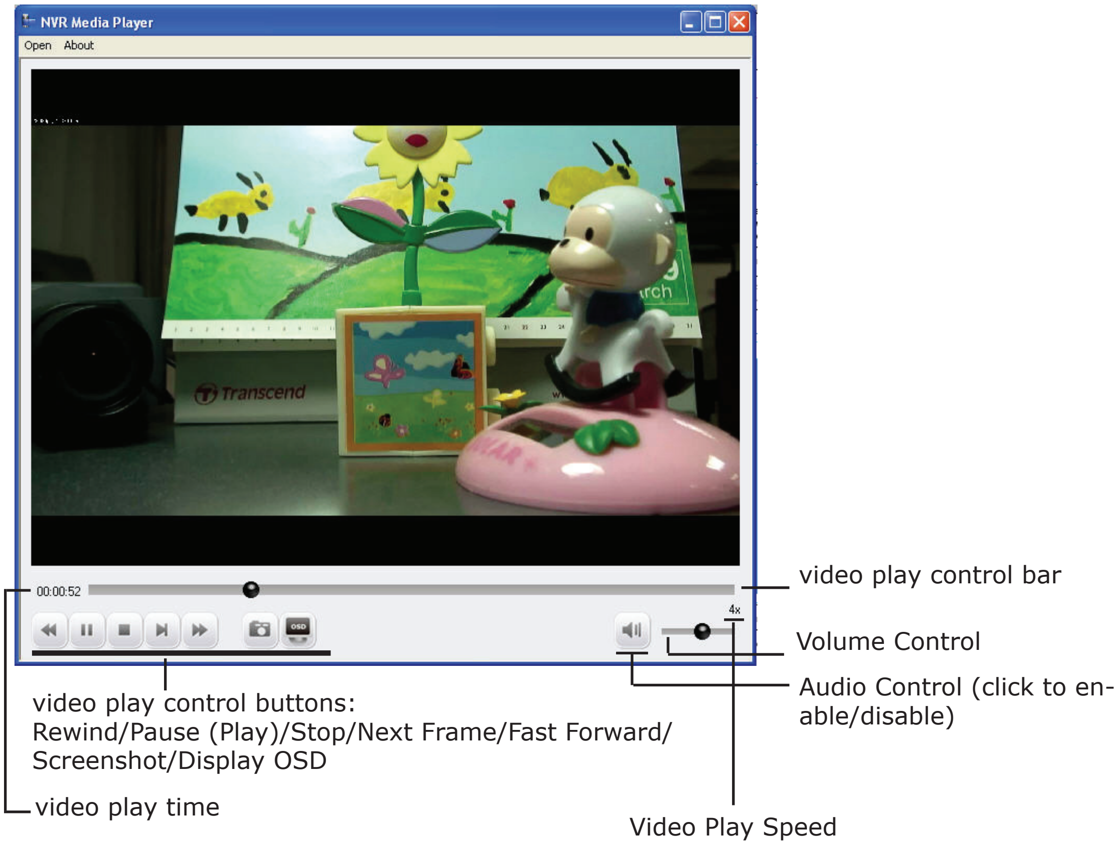
Look in: ExportFolder

File name: Export-CH01-20090914214707.avi

Files of type: AVI File

The video will then start playing

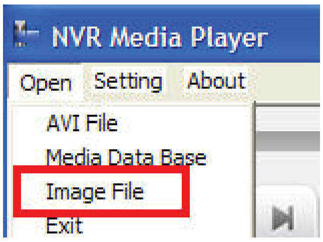

NVR Media Player
Open
About
00:00:52
4x

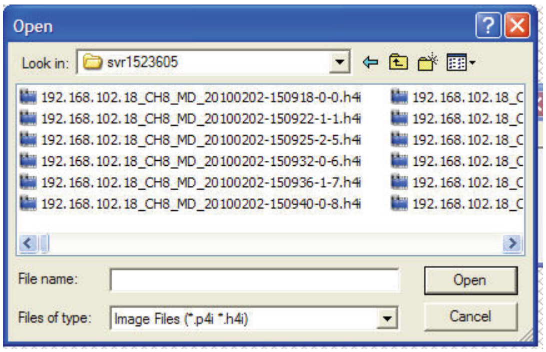

NVR Media Player
Open
About
00:00:52
4x
OSD
video play control bar
Volume Control
Audio Control (click to en-able/disable)
video play control buttons: Rewind/Pause (Play)/Stop/Next Frame/Fast Forward/ Screenshot/Display OSD
video play time
Video Play Speed

2.4 Open Event Snapshot images with NVR Media Player

The NVR sends snapshots that are taken when an event occurs to a destined FTP server or mail recepient. These type of snapshot images are saved in a proprietary image file format, h4i or p4i, and can only be opened by the NVR media player.

To do so, Select "Open" from the top menu then select "Image File".
A new dialog should be displayed which lets you locate the image file.


NVR Media Player
Open
Setting
About
AVI File
Media Data Base
Image File
Exit


Open
Open
Cancel

Look in: svr1523605

192.168.102.18_CH8_MD_20100202-150918-0-0.h4i
192.168.102.18_CH8_MD_20100202-150922-1-1.h4i
192.168.102.18_CH8_MD_20100202-150925-2-5.h4i
192.168.102.18_CH8_MD_20100202-150932-0-6.h4i
192.168.102.18_CH8_MD_20100202-150936-1-7.h4i
192.168.102.18_CH8_MD_20100202-150940-0-8.h4i
192.168.102.18_C
192.168.102.18_C
192.168.102.18_C
192.168.102.18_C
192.168.102.18_C
192.168.102.18_C

File name:

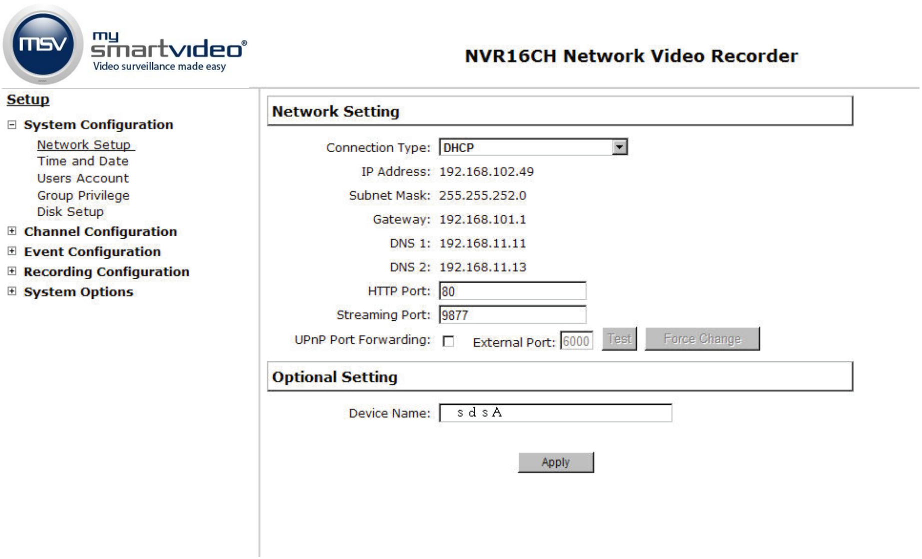
Files of type: Image Files (*.p4i *.h4i)

3. System Setup

3.1 System Configurations

The "System Configurations" page provides users options to setup the device quickly and properly. After properly configuring all settings in all the sub-pages, users should expect a fully working network video recorder that is ready to manage cameras on the network. We will start by configuring its network settings to make sure it works correctly in your network. Next, we will help you adjust the system time so videos will be recorder with correct timestamp. To better secure the system for unwanted disturbance, we will guide you on setting up user's account and privileges to prevent settings gets altered by users other than the system administrator. Lastly, we will tell you what you should expect after installing a hard disk and how to prepare the hard disk for the video recording.

3.1.1 Network Settings


msv
my smartvideo®
Video surveillance made easy
NVR16CH Network Video Recorder
Setup
⊟ System Configuration
Network Setup
Time and Date
Users Account
Group Privilege
Disk Setup
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊞ System Options
Test
Force Change
Apply

Network Setting

Connection Type: DHCP
IP Address: 192.168.102.49
Subnet Mask: 255.255.252.0
Gateway: 192.168.101.1
DNS 1: 192.168.11.11
DNS 2: 192.168.11.13
HTTP Port: 80
Streaming Port: 9877
UPnP Port Forwarding: ☐ External Port: 6000

Optional Setting

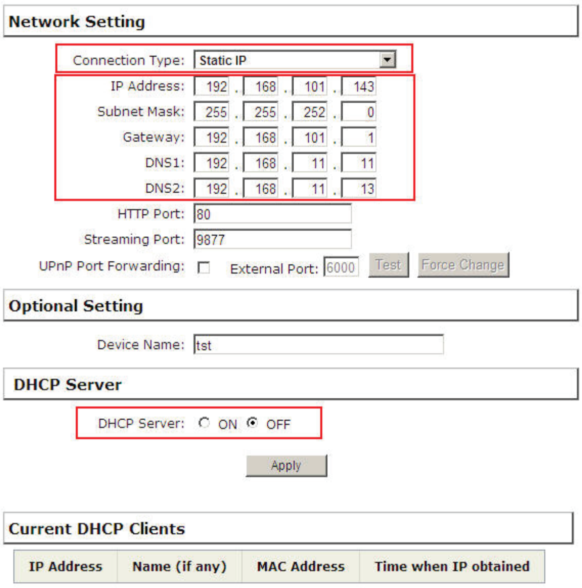
Device Name: s d s A

You need to adjust settings in this page for the device to work properly in your network. It is critical that settings here are configured correctly based on your network configurations so that the recorder can be administered through the local area network and cameras can be connected from it.

By default, the recorder is set to obtain IP address from DHCP server, it should be sufficient in most network environments, and most likely you should not need to alter anything in this page. To locate the recorder, simply use the IP Utility with steps described in page 12.

If you wish to set the recorder to use a static IP address in your local area network,

1. Choose "Static IP" from the "Connection Type" drop-down menu
2. Enter the IP address, subnet mask, default gateway address and DNS server address for the recorder
3. Enable "DHCP Server" under "DHCP Server" if you wish to use the recorder as a DHCP server, or leave it disabled if there is already a DHCP server in the network ⚠
4. Click Apply for the settings to take effect



Network Setting

Connection Type: Static IP
IP Address: 192 . 168 . 101 . 143
Subnet Mask: 255 . 255 . 252 . 0
Gateway: 192 . 168 . 101 . 1
DNS1: 192 . 168 . 11 . 11
DNS2: 192 . 168 . 11 . 13
HTTP Port: 80
Streaming Port: 9877
UPnP Port Forwarding: ☐ External Port: 6000

Optional Setting

Device Name: tst

DHCP Server

DHCP Server: ○ ON ● OFF

Current DHCP Clients

IP Address	Name (if any)	MAC Address	Time when IP obtained

⚠ *The recorder can detect the presence of a DHCP server upon startup. It sets itself to use static IP address if there is no DHCP server currently presented in the network. Its DHCP server function is also turned on at the same time to assign IP addresses to cameras that are later connected to the network*

o You can manually turn off the DHCP server function if you wish to use a separate DHCP server

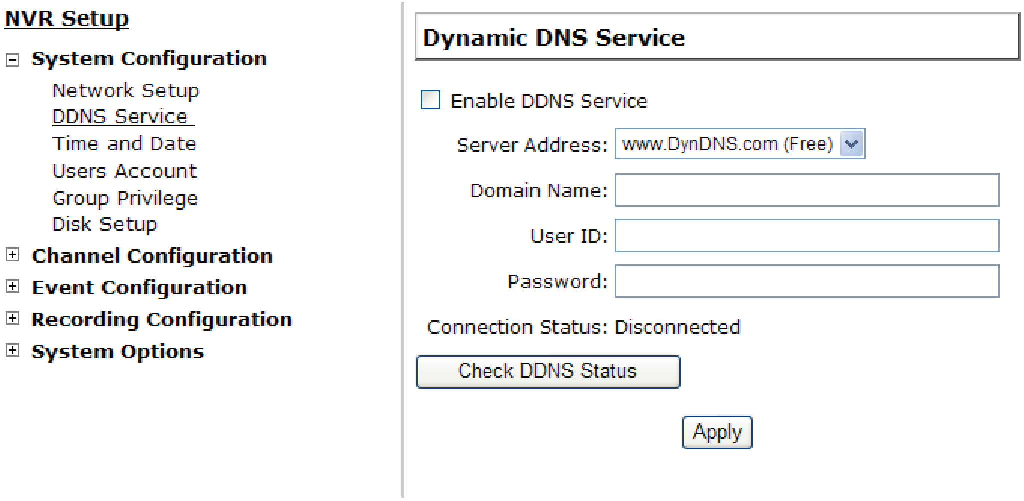
⚠ *Change the recorder's IP address would require the recorder to restart. Restart the device under "system Options" >> "Maintenance" for the settings to take effect.*

3.1.2 DDNS Service

DDNS, which stands for "Dynamic DNS", is a method, protocol, or network service that provides the capability for a networked device, such as a router or computer system (in this case, the NVR) using the Internet Protocol Suite, to notify a domain name server to change, in real time, the active DNS configuration of its configured hostnames, addresses or other information stored in DNS.

A popular application of dynamic DNS is to provide a residential user's Internet gateway that has a variable, often changing, IP address with a well known hostname resolvable through standard DNS queries.

This is useful if the NVR is placed on the Internet with a dynamic public IP, which once the DDNS is properly setup, users can access the NVR remotely with the DDNS domain name without worrying if the IP hs changed or not.


NVR Setup
⊟ System Configuration
Network Setup
DDNS Service
Time and Date
Users Account
Group Privilege
Disk Setup
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊞ System Options
Dynamic DNS Service
Check DDNS Status
Apply

☐ Enable DDNS Service

Server Address: www.DynDNS.com (Free)

Domain Name:

User ID:

Password:

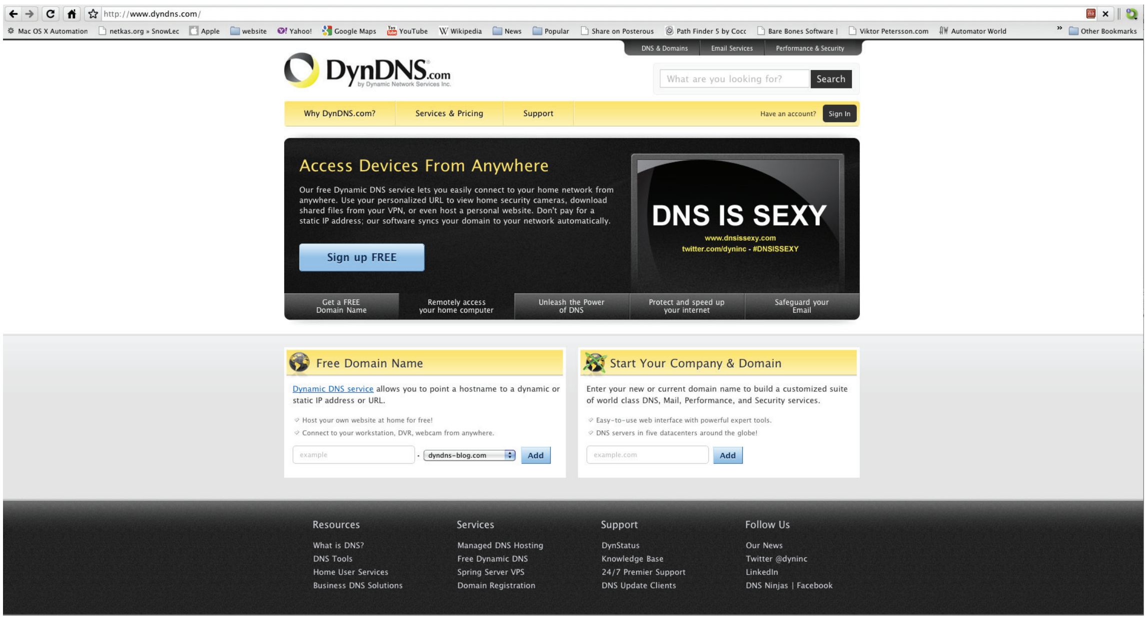
Connection Status: Disconnected

The NVR currently only works with free DDNS service provided by "DynDNS". For more information, please go to www.dyndns.com

If the NVR is placed behind a router or Internet gateway, please make sure port forwarding for port 80 is configured on the router or the gateway in order for the DDNS function to properly register with the service. ***It's often suggested to use the DDNS function in the router/gateway for such case instead.***

Once you have the DDNS function successfully up and running, please DO NOT forget to configure port forwarding for the NVR web port (default 80) and the streaming port (default 9877) in the router/gateway for remote viewing. You can then type in http://yourddnsdomain in the browser to access the NVR remotely for live view.

In order to properly configure the DDNS service function, please register a free DDNS domain name and account from DynDNS first. Go to www.dyndns.com from the browser to do so.


http://www.dyndns.com/
Mac OS X Automation
netkas.org » SnowLec
Apple
website
Yahoo!
Google Maps
YouTube
Wikipedia
News
Popular
Share on Posterous
Path Finder 5 by Cocc
Bare Bones Software |
Viktor Petersson.com
Automator World
Other Bookmarks
DNS & Domains
Email Services
Performance & Security
DynDNS.com
by Dynamic Network Services Inc.
What are you looking for?
Search
Why DynDNS.com?
Services & Pricing
Support
Have an account?
Sign In
DNS IS SEXY
www.dnsissexy.com
twitter.com/dyninc - #DNSISSEXY
Sign up FREE
Get a FREE Domain Name
Remotely access your home computer
Unleash the Power of DNS
Protect and speed up your internet
Safeguard your Email
example
dyndns-blog.com
Add
example.com
Add
Resources
What is DNS?
DNS Tools
Home User Services
Business DNS Solutions
Services
Managed DNS Hosting
Free Dynamic DNS
Spring Server VPS
Domain Registration
Support
DynStatus
Knowledge Base
24/7 Premier Support
DNS Update Clients
Follow Us
Our News
Twitter @dyninc
LinkedIn
DNS Ninjas | Facebook

Access Devices From Anywhere

Our free Dynamic DNS service lets you easily connect to your home network from anywhere. Use your personalized URL to view home security cameras, download shared files from your VPN, or even host a personal website. Don't pay for a static IP address; our software syncs your domain to your network automatically.

Free Domain Name

Dynamic DNS service allows you to point a hostname to a dynamic or static IP address or URL.

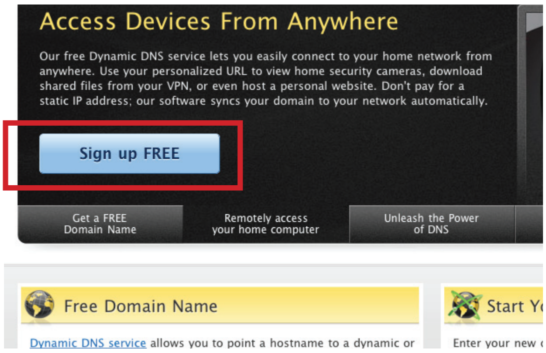
- Host your own website at home for free!
- Connect to your workstation, DVR, webcam from anywhere.

Start Your Company & Domain

Enter your new or current domain name to build a customized suite of world class DNS, Mail, Performance, and Security services.

- Easy-to-use web interface with powerful expert tools.
- DNS servers in five datacenters around the globe!

Click on the “Signup FREE” button to begin


Sign up FREE
Get a FREE Domain Name
Remotely access your home computer
Unleash the Power of DNS
Start Yo

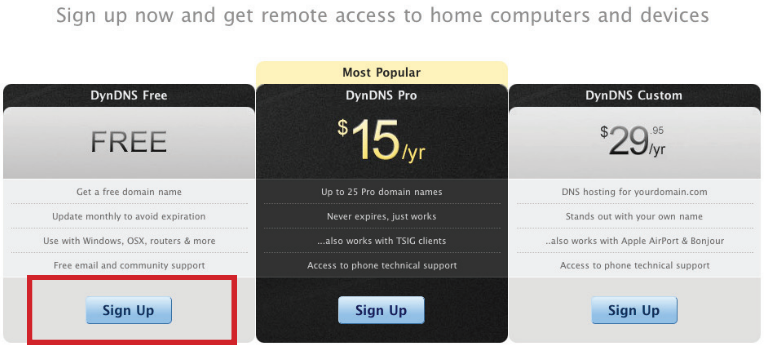
Access Devices From Anywhere

Our free Dynamic DNS service lets you easily connect to your home network from anywhere. Use your personalized URL to view home security cameras, download shared files from your VPN, or even host a personal website. Don't pay for a static IP address; our software syncs your domain to your network automatically.

Free Domain Name

Dynamic DNS service allows you to point a hostname to a dynamic or

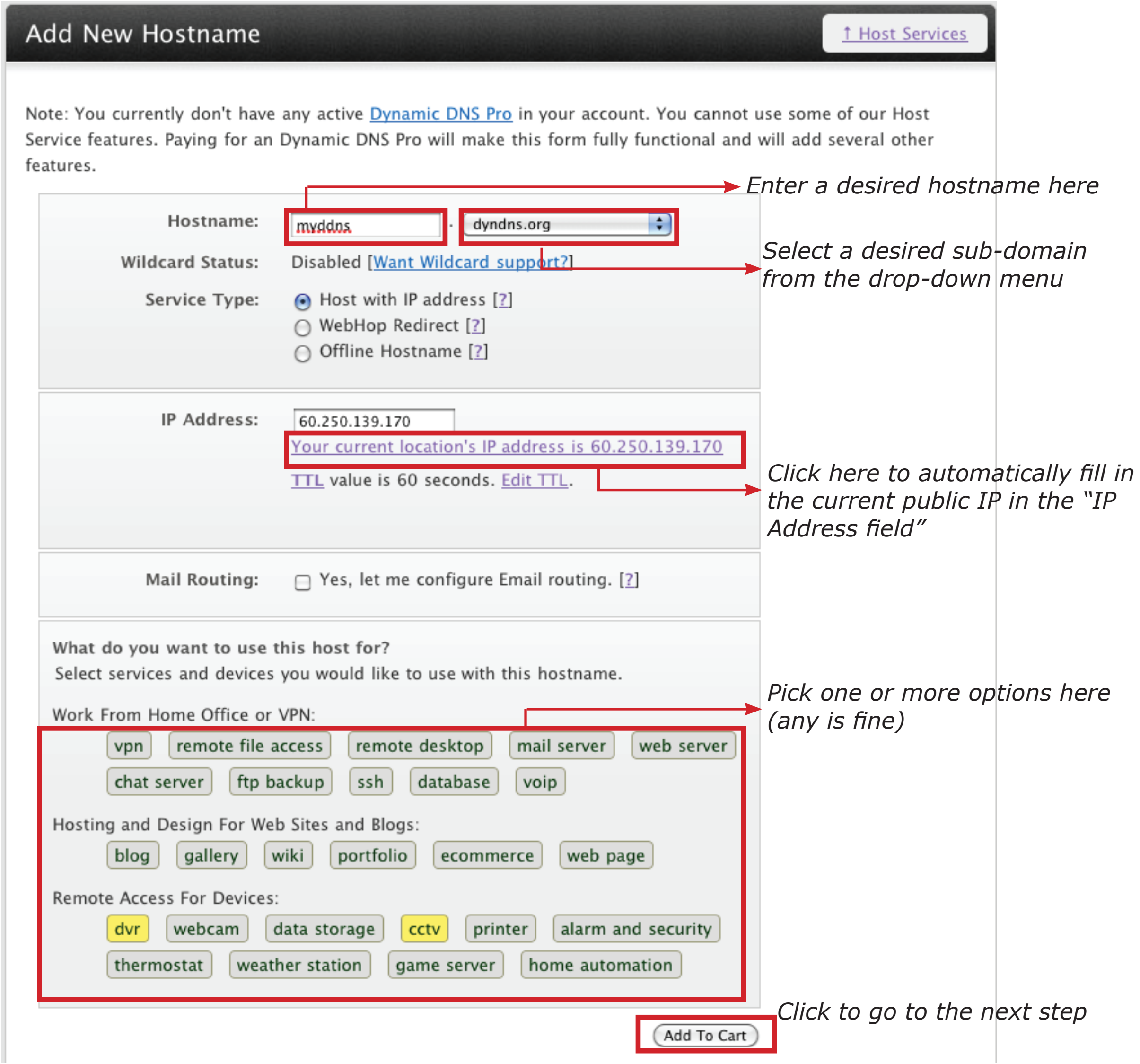
Choose the FREE service on the left


Most Popular
Sign Up
Sign Up
Sign Up

Sign up now and get remote access to home computers and devices

DynDNS Free	DynDNS Pro	DynDNS Custom
FREE	$15/yr	$29.95/yr
Get a free domain name	Up to 25 Pro domain names	DNS hosting for yourdomain.com
Update monthly to avoid expiration	Never expires, just works	Stands out with your own name
Use with Windows, OSX, routers & more	...also works with TSIG clients	..also works with Apple AirPort & Bonjour
Free email and community support	Access to phone technical support	Access to phone technical support

Fill in the necessary fields as illustrated below:



Add New Hostname

Note: You currently don't have any active Dynamic DNS Pro in your account. You cannot use some of our Host Service features. Paying for an Dynamic DNS Pro will make this form fully functional and will add several other features.

Hostname: myddns . dyndns.org

Wildcard Status: Disabled [Want Wildcard support?]

Service Type:
● Host with IP address [?]
○ WebHop Redirect [?]
○ Offline Hostname [?]

IP Address: 60.250.139.170
Your current location's IP address is 60.250.139.170
TTL value is 60 seconds. Edit TTL.

Mail Routing: ☐ Yes, let me configure Email routing. [?]

What do you want to use this host for?
Select services and devices you would like to use with this hostname.

Work From Home Office or VPN:
vpn, remote file access, remote desktop, mail server, web server, chat server, ftp backup, ssh, database, voip

Hosting and Design For Web Sites and Blogs:
blog, gallery, wiki, portfolio, ecommerce, web page

Remote Access For Devices:
dvr, webcam, data storage, cctv, printer, alarm and security, thermostat, weather station, game server, home automation

Enter a desired hostname here

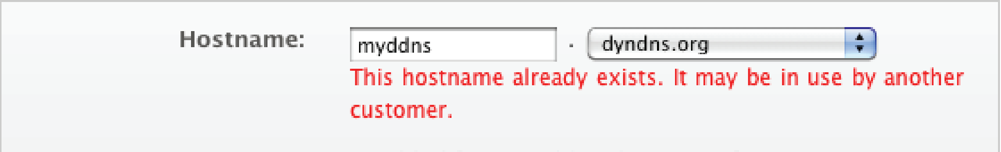
Select a desired sub-domain from the drop-down menu

Click here to automatically fill in the current public IP in the "IP Address field"

Pick one or more options here (any is fine)

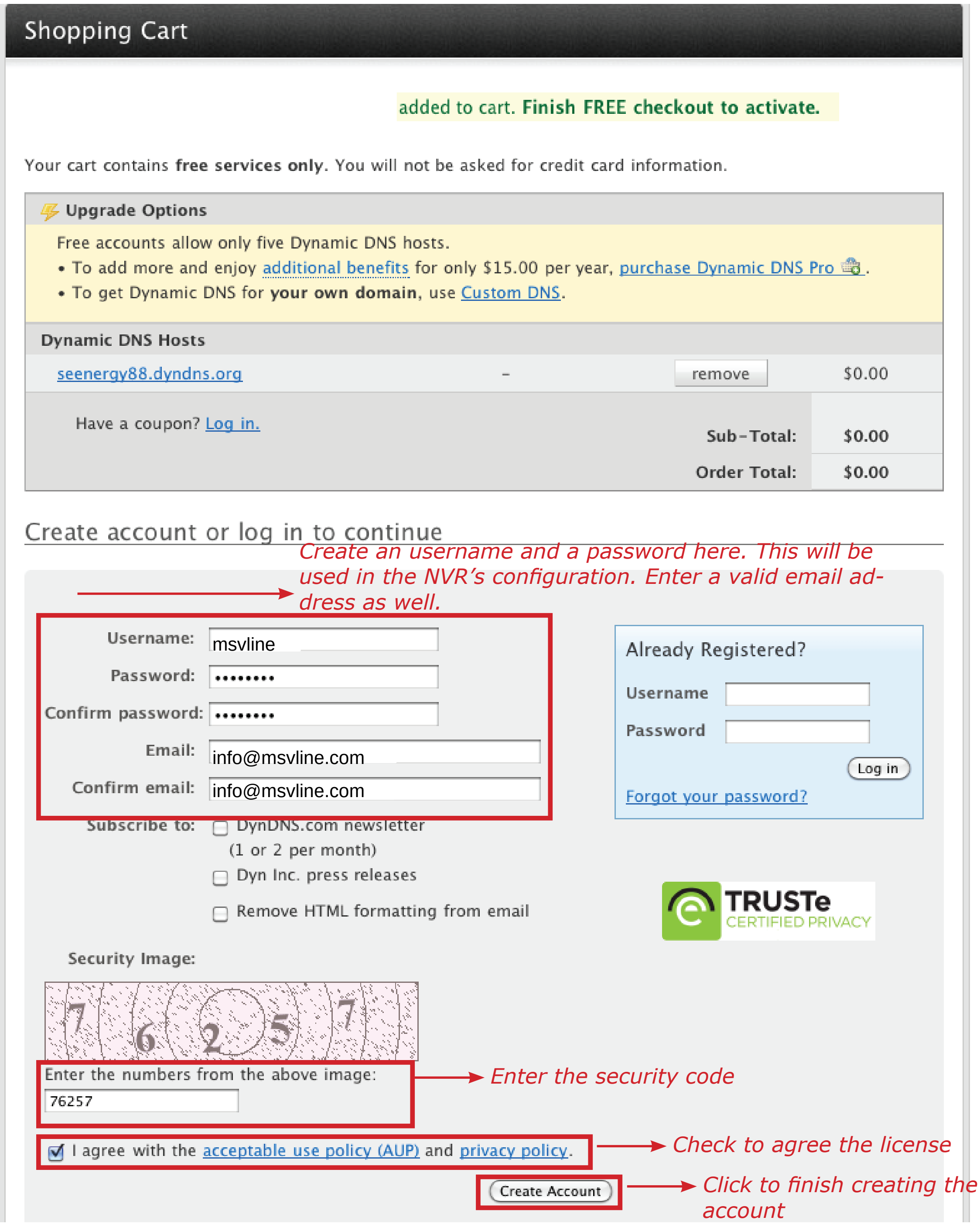
Click to go to the next step

The page will check whether the hostname you entered has been used by another user or not as soon as you click the "Add to Cart" button. If you see below message, simply enter a different and click "Add to Cart" again



Hostname: myddns . dyndns.org
This hostname already exists. It may be in use by another customer.

Once you get to the next page, fill in the necessary fields as illustrated below



Shopping Cart

added to cart. **Finish FREE checkout to activate.**

Your cart contains **free services only**. You will not be asked for credit card information.

Upgrade Options

Free accounts allow only five Dynamic DNS hosts.

- To add more and enjoy additional benefits for only $15.00 per year, purchase Dynamic DNS Pro .
- To get Dynamic DNS for **your own domain**, use Custom DNS.

Dynamic DNS Hosts			
seenergy88.dyndns.org	–	remove	$0.00
Have a coupon? Log in.		**Sub-Total:**	**$0.00**
		Order Total:	**$0.00**

Create account or log in to continue

Create an username and a password here. This will be used in the NVR's configuration. Enter a valid email address as well.

Username: msvline
Password: ••••••••
Confirm password: ••••••••
Email: info@msvline.com
Confirm email: info@msvline.com
Subscribe to: ☐ DynDNS.com newsletter (1 or 2 per month)
☐ Dyn Inc. press releases
☐ Remove HTML formatting from email

Already Registered?
Username
Password
Log in
Forgot your password?

TRUSTe CERTIFIED PRIVACY

Security Image:

Enter the numbers from the above image: 76257

Enter the security code

☑ I agree with the acceptable use policy (AUP) and privacy policy.

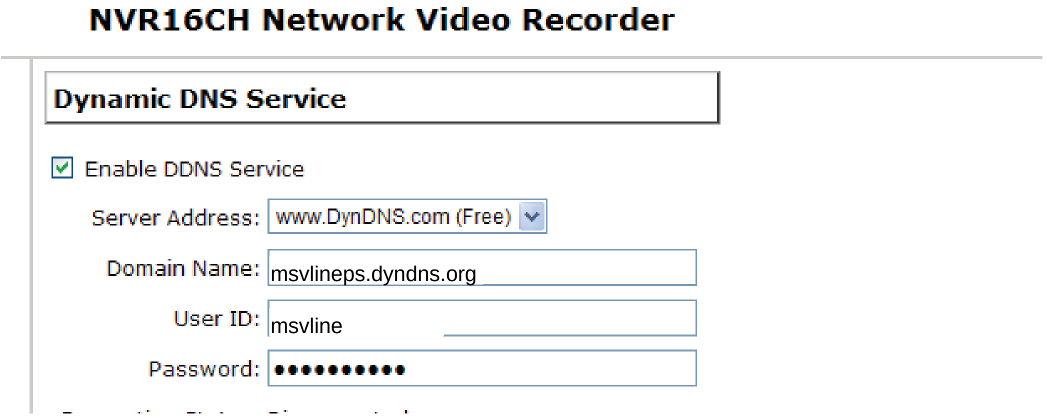
Check to agree the license

Create Account

Click to finish creating the account

Go back to the NVR’s DDNS service configuration page under “Setup” >> “System Configuration” >> “DDNS Service”.

Fill in the domain name you picked during the registration in the “Domain Name” field and the username/password you created in the “User ID” and “Password” field and click “Apply” to finish



NVR16CH Network Video Recorder

Dynamic DNS Service

☑ Enable DDNS Service

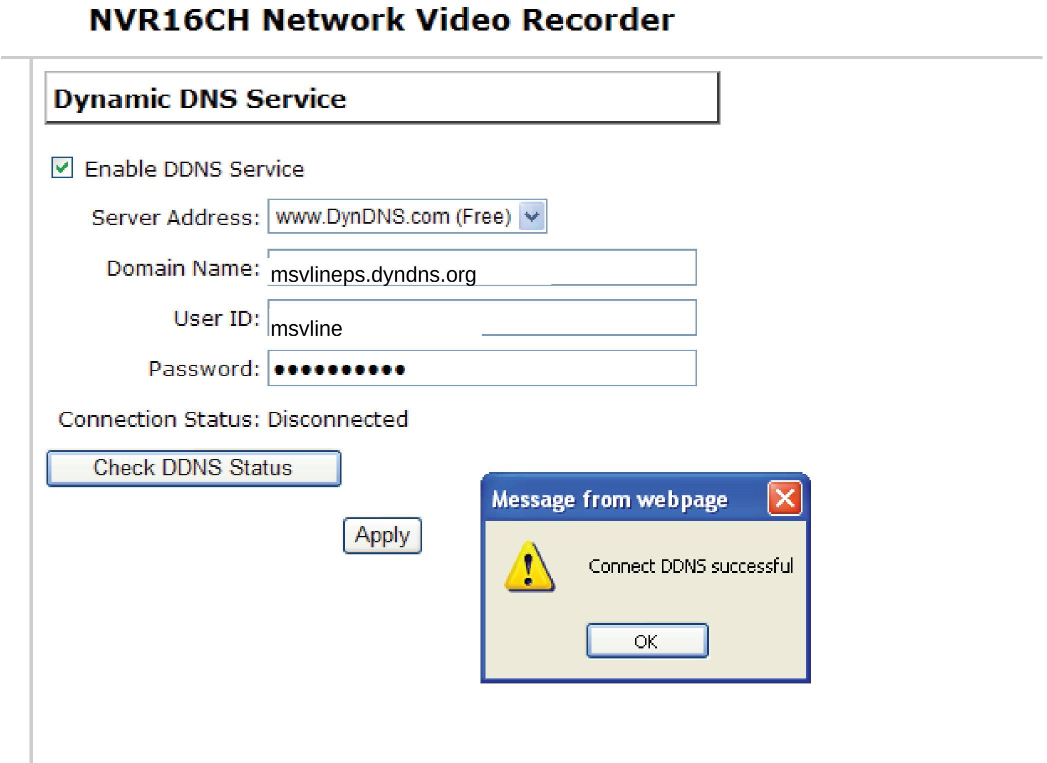
Server Address: www.DynDNS.com (Free)

Domain Name: msvlineps.dyndns.org

User ID: msvline

Password: ●●●●●●●●●●●

You can click the “Check DDNS Status” button to check the DynDNS service status. If you are getting a “Disconnected” message, it means that DDNS service server is down or the NVR is not connected to the Internet. If everything is ok normally, you should be prompted with a success message



NVR16CH Network Video Recorder

Dynamic DNS Service

☑ Enable DDNS Service

Server Address: www.DynDNS.com (Free)

Domain Name: msvlineps.dyndns.org

User ID: msvline

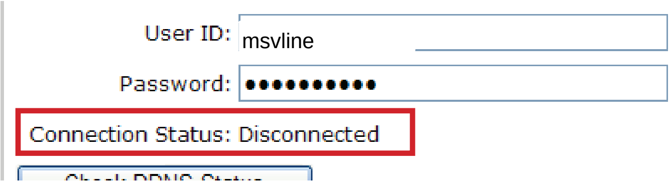
Password: ●●●●●●●●●●●

Connection Status: Disconnected

Message from webpage

Connect DDNS successful

Notice the "Connection Status" displays the status of whether the NVR has been able to successfully update its current public IP address to the DynDNS server

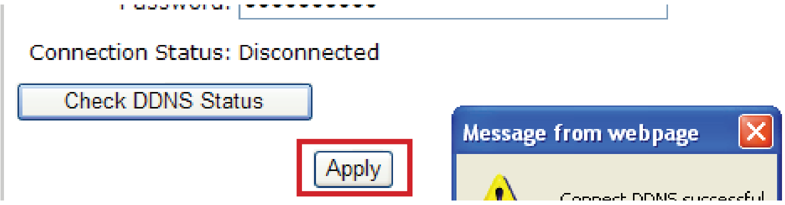


User ID: msvline

Password: ••••••••••

Connection Status: Disconnected

The NVR will automatically check with the DynDNS server once every hour and update its latest public IP to the server. The "Apply" button does the same thing which if you are see the "Disconnected" status, you can use it to manually check with the server without waiting for the NVR to update itself in the next hour. **However, it is advised not to do so too often as DynDNS disallow repetitive updates within a short period of time and the account will be banned if such action is detected.**

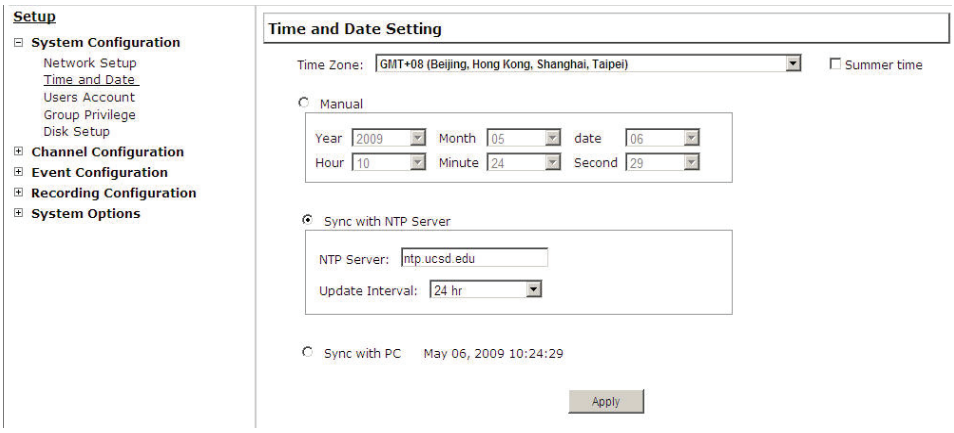


Connection Status: Disconnected

Message from webpage

Connect DDNS successful

3.1.2 Time and Date


Setup
⊟ System Configuration
Network Setup
Time and Date
Users Account
Group Privilege
Disk Setup
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊞ System Options
Apply

Time and Date Setting

Time Zone: GMT+08 (Beijing, Hong Kong, Shanghai, Taipei) ☐ Summer time

○ Manual

Year 2009 Month 05 date 06
Hour 10 Minute 24 Second 29

● Sync with NTP Server

NTP Server: ntp.ucsd.edu
Update Interval: 24 hr

○ Sync with PC May 06, 2009 10:24:29

Set the time and date by selecting the time zone according to your location. It is imperative that you set the recorder's time correctly to avoid the following errors:

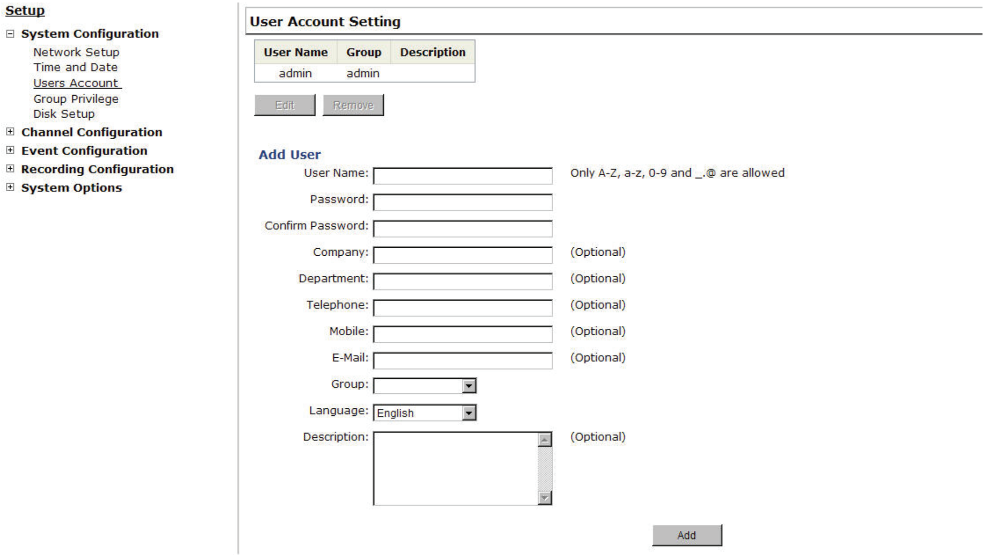
- Incorrect display time for playback videos
- Inconsistent display time of event logs and when they actually occur

After selecting the time zone, choose an option below to set the recorder time

- **Manual** – Use the drop-down list and configure the time manually
- **Sync with NTP server** – enter the hostname or IP address of a valid NTP server and set how often the recorder should synchronize the time with the recorder by using the "Update interval" drop-down menu
- **Sync with PC** – Check this option to synchronize the recorder time with the PC that you are currently using to access the recorder

3.1.3 User Account

The recorder can be accessed by multiple users simultaneously. You can add, remove, and edit users by using options provided in this page to keep user information organized. Each recorder comes with a built-in "admin" account with password "admin". It's highly recommended to change the password upon your initial login.


Setup
System Configuration
Network Setup
Time and Date
Users Account
Group Privilege
Disk Setup
Channel Configuration
Event Configuration
Recording Configuration
System Options
Edit
Remove
Add

User Account Setting

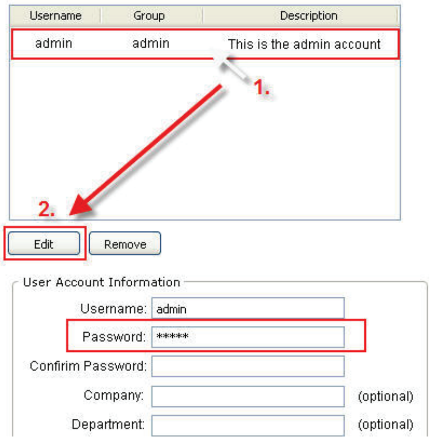
User Name	Group	Description
admin	admin	

Add User

User Name: Only A-Z, a-z, 0-9 and _.@ are allowed
Password:
Confirm Password:
Company: (Optional)
Department: (Optional)
Telephone: (Optional)
Mobile: (Optional)
E-Mail: (Optional)
Group:
Language: English
Description: (Optional)

To change the password of the "admin" account:

1. Click and highlight the "admin" account in the account list and click "Edit"
2. Its information should be displayed in "User Account Information"
3. Enter a new password in the "Password" field and enter it again in "Confirm Password"


1.
2.
Edit
Remove

Username	Group	Description
admin	admin	This is the admin account

User Account Information

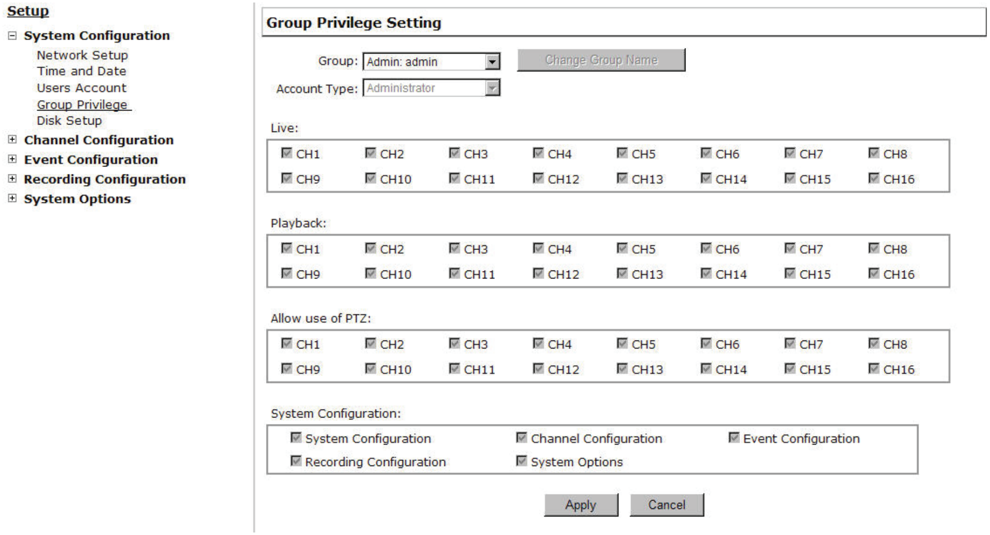
Username: admin
Password: *****
Confirm Password:
Company: (optional)
Department: (optional)

To add a new user:

- Enter a username and password in "User Account Information". All other fields are optional for your own reference.
- Select a group from the "Group" drop-down menu to assign the new user to a particular group
- Enter a short description for the account if you wish
- Click "Apply" to finish configuration

3.1.4 Group Privilege

Group Privilege is where you can create multiple customized access policies for situations if you need the recorder to be accessed by users other than the administrator. You can do so by creating a group, and then remove access privileges for certain configuration pages or cameras. Users that are created and assigned to this group will have limited access instead of full administration rights.


Setup
⊟ System Configuration
Network Setup
Time and Date
Users Account
Group Privilege
Disk Setup
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊞ System Options
Group Privilege Setting
Change Group Name
Apply
Cancel

Group: Admin: admin
Account Type: Administrator

Live:
☑ CH1 ☑ CH2 ☑ CH3 ☑ CH4 ☑ CH5 ☑ CH6 ☑ CH7 ☑ CH8
☑ CH9 ☑ CH10 ☑ CH11 ☑ CH12 ☑ CH13 ☑ CH14 ☑ CH15 ☑ CH16

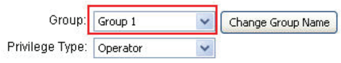
Playback:
☑ CH1 ☑ CH2 ☑ CH3 ☑ CH4 ☑ CH5 ☑ CH6 ☑ CH7 ☑ CH8
☑ CH9 ☑ CH10 ☑ CH11 ☑ CH12 ☑ CH13 ☑ CH14 ☑ CH15 ☑ CH16

Allow use of PTZ:
☑ CH1 ☑ CH2 ☑ CH3 ☑ CH4 ☑ CH5 ☑ CH6 ☑ CH7 ☑ CH8
☑ CH9 ☑ CH10 ☑ CH11 ☑ CH12 ☑ CH13 ☑ CH14 ☑ CH15 ☑ CH16

System Configuration:
☑ System Configuration ☑ Channel Configuration ☑ Event Configuration
☑ Recording Configuration ☑ System Options

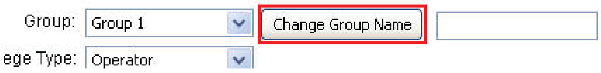
The recorder comes with seven built-in groups and five built-in privilege profiles, except the "admin" and the "guest" accounts; the other five groups are fully customizable or you can simply assign a group with one of the default privilege profiles. You can, however, assign more than one users to the "admin" account if you wish to do so. The guest account comes with a "view-only" privilege in the "Live View" page, and users in this group do not have the power to make any changes in the "Live View" page or have access to pages other than the "Live View" page.

To create a group, select a group from the "Group" drop-down


Change Group Name

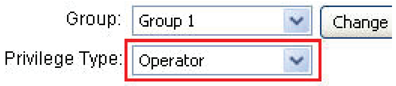
Group: Group 1
Privilege Type: Operator

You can change the group name by clicking the "Change Group Name" button. A text box will be displayed for you to enter the new group

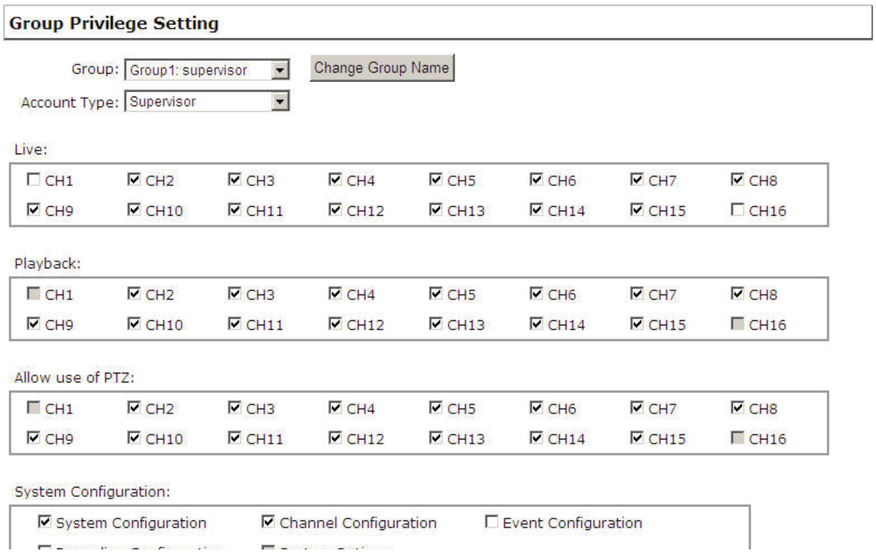

Change Group Name

Group: Group 1
ege Type: Operator

Choose what type of privilege you would like this group to have from the "Privilege Type" drop-down menu


Group: Group 1
Privilege Type: Operator

Its access privilege will then be displayed. You can alter its settings by allowing or denying access to other cameras using the checkboxes instead of accepting the defaults


Group Privilege Setting

Group: Group1: supervisor
Account Type: Supervisor

Live:

☐ CH1	☑ CH2	☑ CH3	☑ CH4	☑ CH5	☑ CH6	☑ CH7	☑ CH8
☑ CH9	☑ CH10	☑ CH11	☑ CH12	☑ CH13	☑ CH14	☑ CH15	☐ CH16

Playback:

☐ CH1	☑ CH2	☑ CH3	☑ CH4	☑ CH5	☑ CH6	☑ CH7	☑ CH8
☑ CH9	☑ CH10	☑ CH11	☑ CH12	☑ CH13	☑ CH14	☑ CH15	☐ CH16

Allow use of PTZ:

☐ CH1	☑ CH2	☑ CH3	☑ CH4	☑ CH5	☑ CH6	☑ CH7	☑ CH8
☑ CH9	☑ CH10	☑ CH11	☑ CH12	☑ CH13	☑ CH14	☑ CH15	☐ CH16

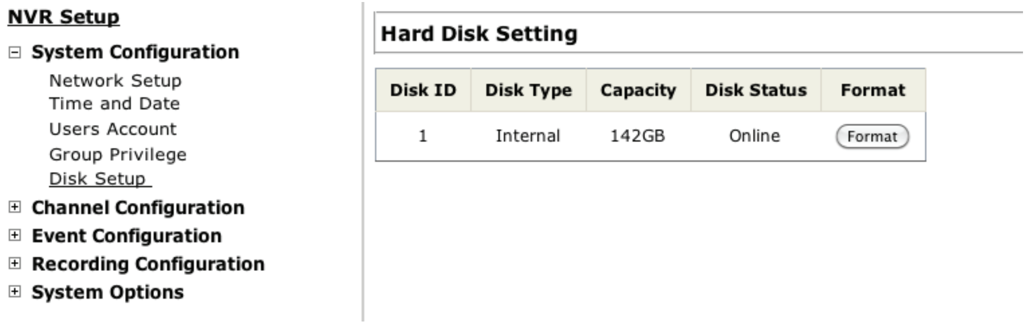
System Configuration:

☑ System Configuration ☑ Channel Configuration ☐ Event Configuration

3.1.5 Disk Setup

Once you install a hard disk to the recorder, you would need to initialize it so that it can be ready for recording. You can obtain basic information about the disk you installed in this page

To initialize it, simply click the "Format" button


NVR Setup
⊟ System Configuration
Network Setup
Time and Date
Users Account
Group Privilege
Disk Setup
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊞ System Options

Hard Disk Setting

Disk ID	Disk Type	Capacity	Disk Status	Format
1	Internal	142GB	Online	Format

You can also connect external USB thumb drive to the recorder for firmware upgrade.

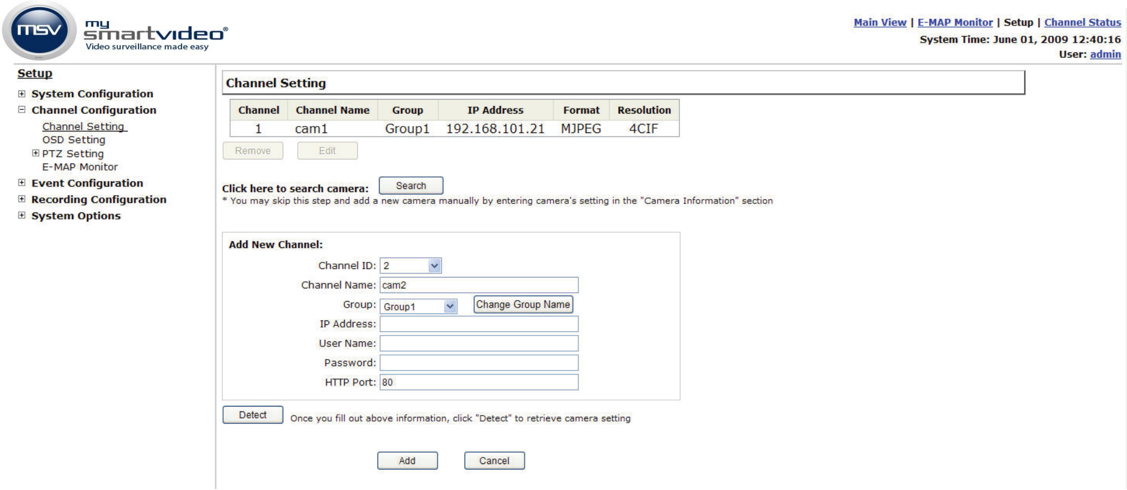
⚠ *For instructions to install a hard disk to the recorder, refer to page 9*

⚠ *To obtain detail information about the disk, go to "System Options" >> "Disk Status"*

3.2 Channel Configurations

3.2.1 Add a Camera

The NVR provides two options for adding a new camera. Users have the option to let the recorder automatically find the cameras or it is possible to enter camera's information and add it manually.


my smartvideo
Video surveillance made easy
Main View | E-MAP Monitor | Setup | Channel Status
Setup
⊞ System Configuration
⊟ Channel Configuration
Channel Setting
OSD Setting
⊞ PTZ Setting
E-MAP Monitor
⊞ Event Configuration
⊞ Recording Configuration
⊞ System Options
Remove
Edit
Search
Change Group Name
Detect
Add
Cancel

System Time: June 01, 2009 12:40:16
User: admin

Channel Setting

Channel	Channel Name	Group	IP Address	Format	Resolution
1	cam1	Group1	192.168.101.21	MJPEG	4CIF

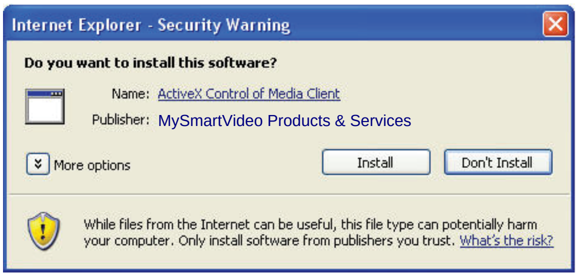
Click here to search camera:
* You may skip this step and add a new camera manually by entering camera's setting in the "Camera Information" section

Add New Channel:
Channel ID: 2
Channel Name: cam2
Group: Group1
IP Address:
User Name:
Password:
HTTP Port: 80

Once you fill out above information, click "Detect" to retrieve camera setting

Automatic Search:

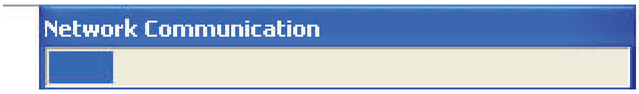
1. Click the "Search" button to perform the camera search. You should be prompted to install Active Control component in order for the search to function properly. Go ahead and click "Install"


Internet Explorer - Security Warning
More options
Install
Don't Install

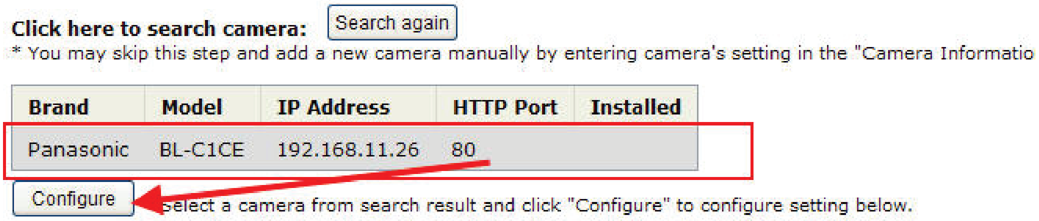
Do you want to install this software?
Name: ActiveX Control of Media Client
Publisher: MySmartVideo Products & Services

While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

2. After that, the search should begin and its status should be displayed:



3. Found cameras should be listed and simply select a camera from the list and press “Configure”



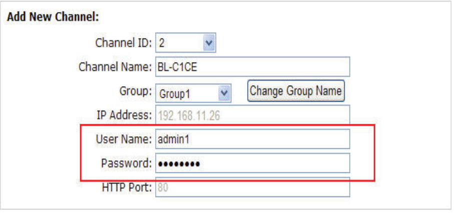
Click here to search camera: Search again

* You may skip this step and add a new camera manually by entering camera's setting in the "Camera Informatio

Brand	Model	IP Address	HTTP Port	Installed
Panasonic	BL-C1CE	192.168.11.26	80	

Configure Select a camera from search result and click "Configure" to configure setting below.

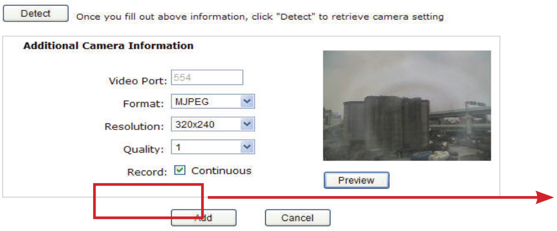
4. Its corresponding information should be displayed in the “Camera Information” section. Enter its username and password and select the channel ID and name the camera.



Add New Channel:

Channel ID: 2
Channel Name: BL-C1CE
Group: Group1
IP Address: 192.168.11.26
User Name: admin1
Password: ••••••••
HTTP Port: 80

5. Click on “Detect” to establish connection between the recorder and the camera. If connection establishes successfully, camera’s detailed information should be polled and displayed as below



Once you fill out above information, click "Detect" to retrieve camera setting

Additional Camera Information

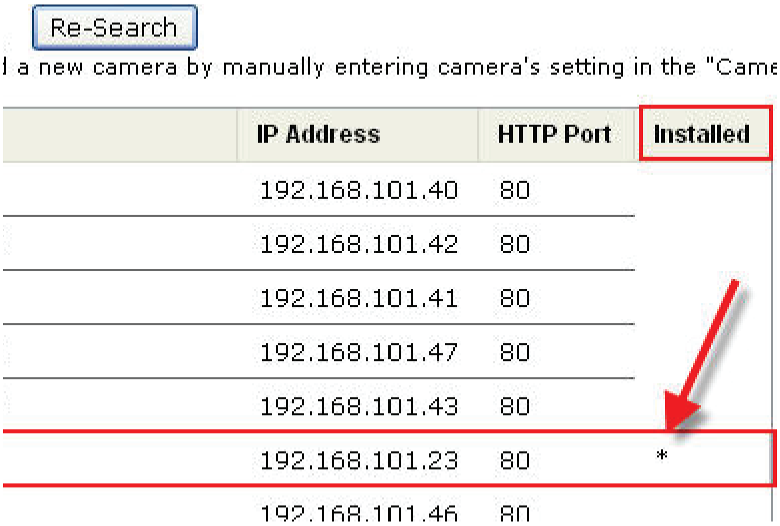
Video Port: 554
Format: MJPEG
Resolution: 320x240
Quality: 1
Record: ☑ Continuous

** Audio from this channel will not be recorded if this option is unchecked*

6. Adjust its video format, frame rate, resolution or bitrate…etc if you wish. You can also click on the “Preview” to preview the live video of the camera.

Click “Add” to finish adding the camera

If cameras are marked with "" in the search result, it means those cameras are already configured and connected to the NVR.*

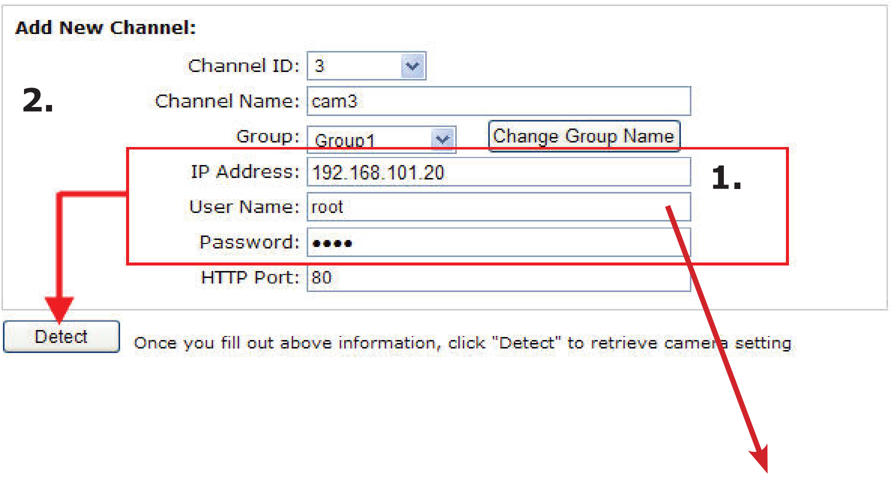


l a new camera by manually entering camera's setting in the "Came

	IP Address	HTTP Port	Installed
	192.168.101.40	80	
	192.168.101.42	80	
	192.168.101.41	80	
	192.168.101.47	80	
	192.168.101.43	80	
	192.168.101.23	80	*
	192.168.101.46	80	

Add a camera manually

Simply follow the instruction described above but instead of using the "Search" function, enter the camera's IP address and credential in the "Camera Information" manually, then follow step 5 ~6 described above.



Add New Channel:

Channel ID: 3
Channel Name: cam3
Group: Group1
IP Address: 192.168.101.20
User Name: root
Password: ••••
HTTP Port: 80

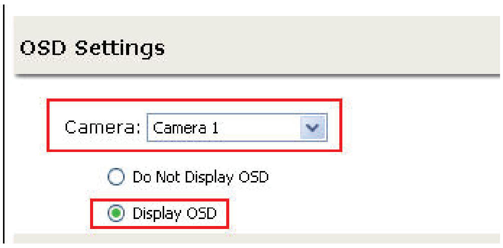
Once you fill out above information, click "Detect" to retrieve camera setting

Enter manually

3.2.2 OSD Settings

The OSD (On Screen Display) allows users to add informational text message and embed it onto the video. By default, this function is turned off. To add texts to one or more videos,

1. Select a camera you would like to add text to and choose "Display OSD"



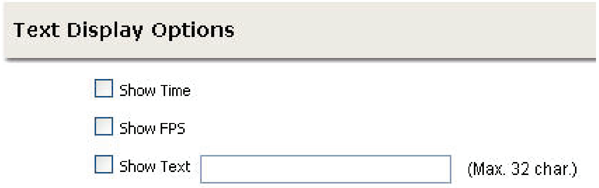
OSD Settings

Camera: Camera 1

○ Do Not Display OSD

● Display OSD

2. Choose one or more display options if you would also like the recorder to automatically embed the system time or the frame rate for you. Or simply choose to display a custom message of your own



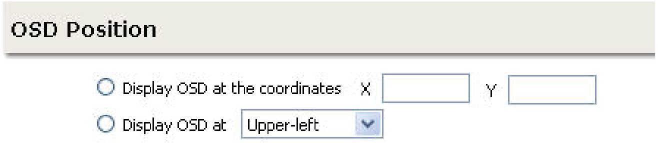
Text Display Options

☐ Show Time

☐ Show FPS

☐ Show Text (Max. 32 char.)

3. Next, define where the text will be displayed by either entering an X/Y coordinate or use the system pre-defined position from the drop-down menu

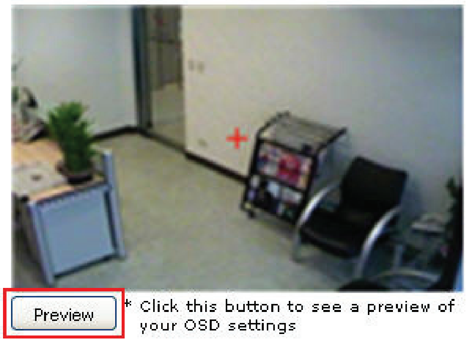


OSD Position

○ Display OSD at the coordinates X Y

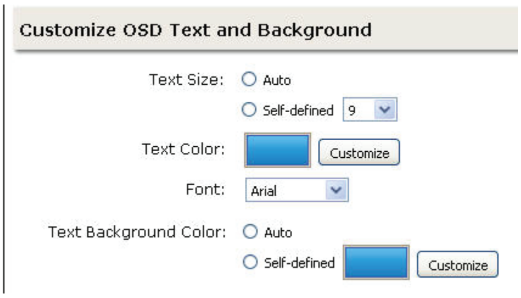
○ Display OSD at Upper-left

4. Click on the "Preview" button to see the preview of your setting and click "Apply" to save the configuration



* Click this button to see a preview of your OSD settings

- *The texts can be further adjusted with changes to different size, color or font so they can be more visible on the video*



Customize OSD Text and Background

Text Size: ○ Auto

○ Self-defined 9

Text Color: 🟦 Customize

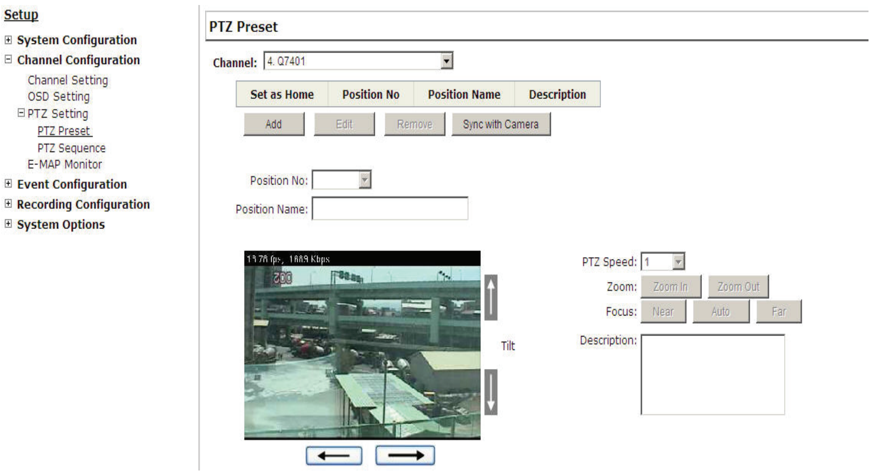
Font: Arial

Text Background Color: ○ Auto

○ Self-defined 🟦 Customize

3.2.3 PTZ Preset Settings

The recorder supports PTZ cameras and can set multiple preset points or retrieve and manage preset points that are set in the camera. This is helpful if you need to monitor multiple spots in one area from a particular camera.


Setup
System Configuration
Channel Configuration
Channel Setting
OSD Setting
PTZ Setting
PTZ Preset
PTZ Sequence
E-MAP Monitor
Event Configuration
Recording Configuration
System Options
PTZ Preset
Set as Home
Position No
Position Name
Description
Add
Edit
Remove
Sync with Camera
13.78 fps, 1889 Kbps
Tilt
Zoom:
Zoom In
Zoom Out
Focus:
Near
Auto
Far
Description:

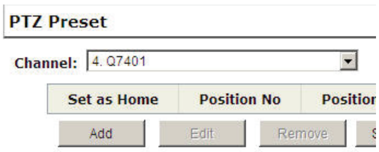
Channel: 4. Q7401

Position No:

Position Name:

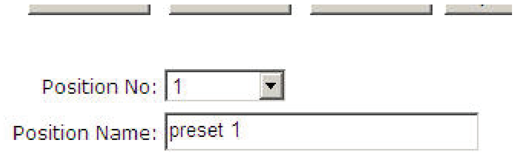
PTZ Speed: 1

1. To set up PTZ preset points, select a camera from the “Camera” drop-down menu and click “Add”


PTZ Preset
Set as Home
Position No
Positior
Add
Edit
Remove

Channel: 4. Q7401

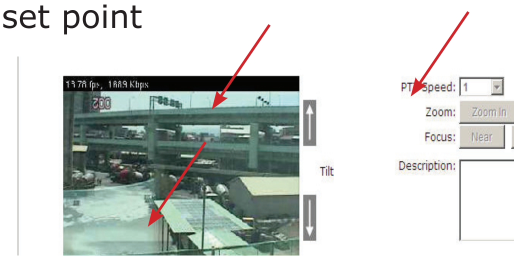
2. Select a position number for the preset point from the “Position Number” drop-down menu and fill in a name in the “Position Name” field for easier identification



Position No: 1

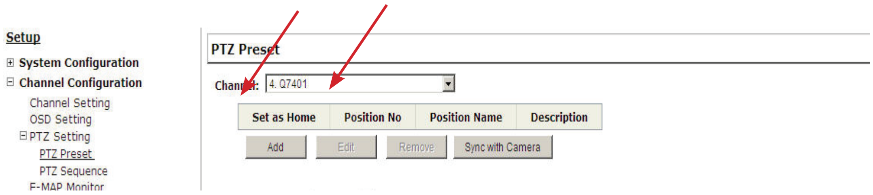
Position Name: preset 1

3. Use the PTZ control provided in the configuration page to set the preset point


13.78 fps, 1889 Kbps
Tilt
Zoom:
Zoom In
Focus:
Near
Description:

PTZ Speed: 1

Ultimately, you can choose to make this preset point a "Home" point among all other preset points, as well as making the camera to move to this particular point when an event is triggered.

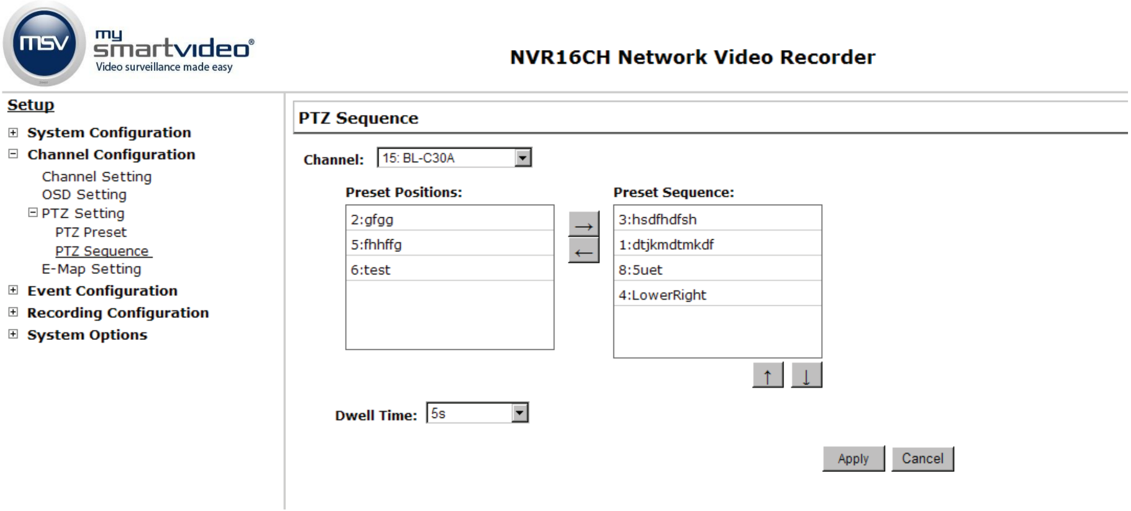

Setup
⊞ System Configuration
⊟ Channel Configuration
Channel Setting
OSD Setting
⊟ PTZ Setting
PTZ Preset
PTZ Sequence
E-MAP Monitor
PTZ Preset
Set as Home
Position No
Position Name
Description
Add
Edit
Remove
Sync with Camera

Channel: 4. Q7401

- *"Move Here when Event Trigger": In order for this function to work properly, please also complete configuration in "Event Configuration" >> "Event Trigger"*

3.2.4 PTZ Preset Sequence

Once you have multiple preset points defined for a camera, it is convenient for monitoring to set up the sequencing viewing among those preset point and let the recorder automatically switch between them for you.


my smartvideo
Video surveillance made easy
Setup
System Configuration
Channel Configuration
Channel Setting
OSD Setting
PTZ Setting
PTZ Preset
PTZ Sequence
E-Map Setting
Event Configuration
Recording Configuration
System Options
→
←
↑
↓
Apply
Cancel

NVR16CH Network Video Recorder

PTZ Sequence

Channel: 15: BL-C30A

Preset Positions:	**Preset Sequence:**
2:gfgg	3:hsdfhdfsh
5:fhhffg	1:dtjkmdtmkdf
6:test	8:5uet
	4:LowerRight

Dwell Time: 5s

To configure preset sequence for a camera," select a camera from the "Camera" drop-down menu

The available preset points should be listed in "Camera Presets" section

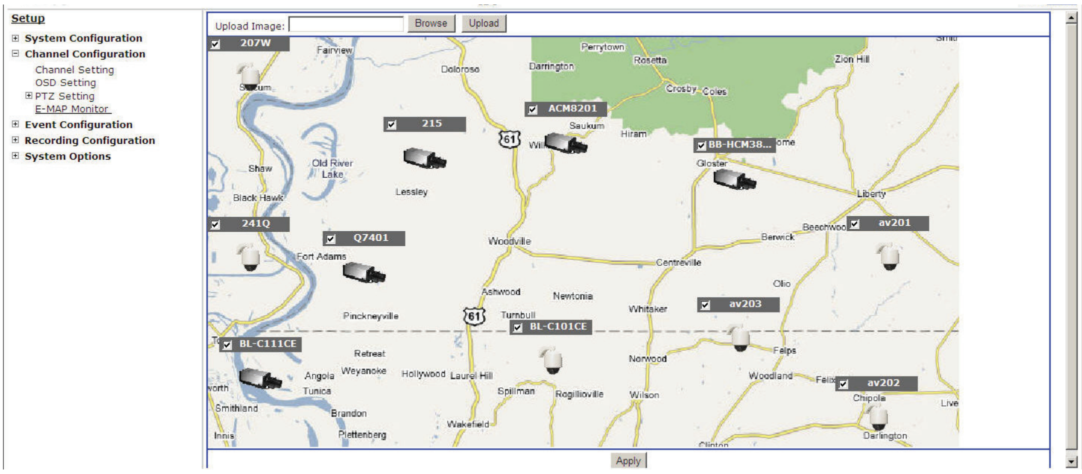
Pick the ones you like for sequence viewing and press the "->" button to move them to the "Adjust Position" section, then use the up and down buttons to adjust their sequences

Finally, select a dwell time from the drop-down menu and click "Apply" to save the configuration

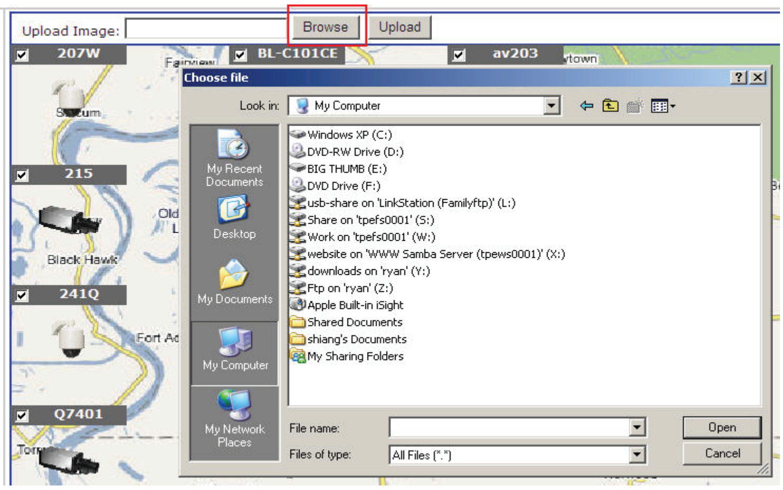
- *To start preset sequence viewing, check page 21 for instructions*

3.2.5 E-Map Monitor

E-Map monitor is a function that alerts users whenever there is an event triggered (e.g. motion detected) from a camera with a geographical perspective. With this function, users can quickly identify which camera has detected an unusual event and where this event is happening. This function works by incorporating the event detection function as well as the recording function, which, as a result, helps users take all the necessary actions when an unusual event occurs.

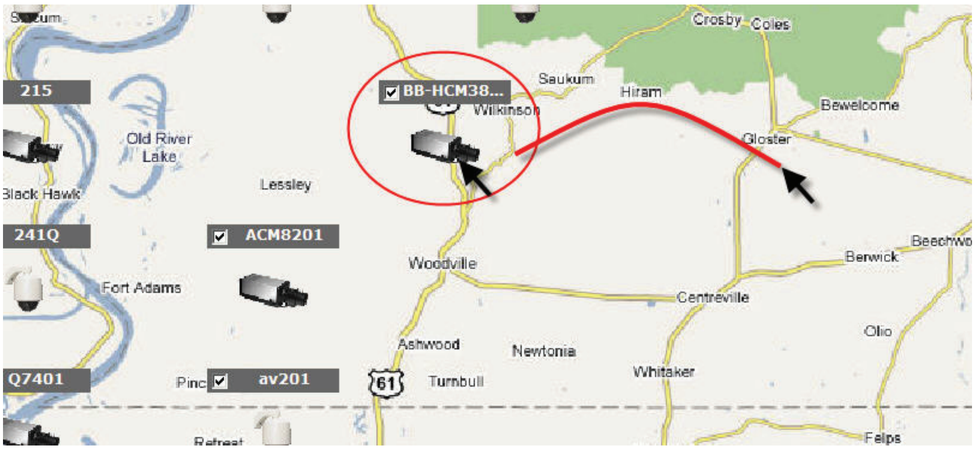

Setup
⊞ System Configuration
⊟ Channel Configuration
Channel Setting
OSD Setting
⊞ PTZ Setting
E-MAP Monitor
⊞ Event Configuration
⊞ Recording Configuration
⊞ System Options
Upload Image:
Browse
Upload
☑ 207W
☑ 215
☑ ACM8201
☑ BB-HCM38...
☑ 241Q
☑ Q7401
☑ av201
☑ av203
☑ BL-C101CE
☑ BL-C111CE
☑ av202
Apply

To replace the map, click "Browse" button to locate the new map image file from the local PC and then click "Upload"

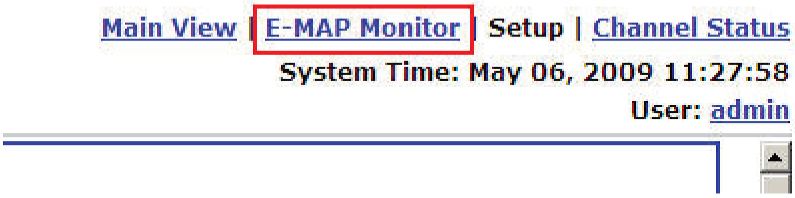

Upload Image:
Browse
Upload
☑ 207W
☑ BL-C101CE
☑ av203
☑ 215
☑ 241Q
☑ Q7401
Choose file
Look in:
My Computer
My Recent Documents
Desktop
My Documents
My Computer
My Network Places
Windows XP (C:)
DVD-RW Drive (D:)
BIG THUMB (E:)
DVD Drive (F:)
usb-share on 'LinkStation (Familyftp)' (L:)
Share on 'tpefs0001' (S:)
Work on 'tpefs0001' (W:)
website on 'WWW Samba Server (tpews0001)' (X:)
downloads on 'ryan' (Y:)
Ftp on 'ryan' (Z:)
Apple Built-in iSight
Shared Documents
shiang's Documents
My Sharing Folders
File name:
Files of type:
All Files (*.*)
Open
Cancel

- *Only JPG, PNG, and GIF file formats are supported with file size under 100KB*

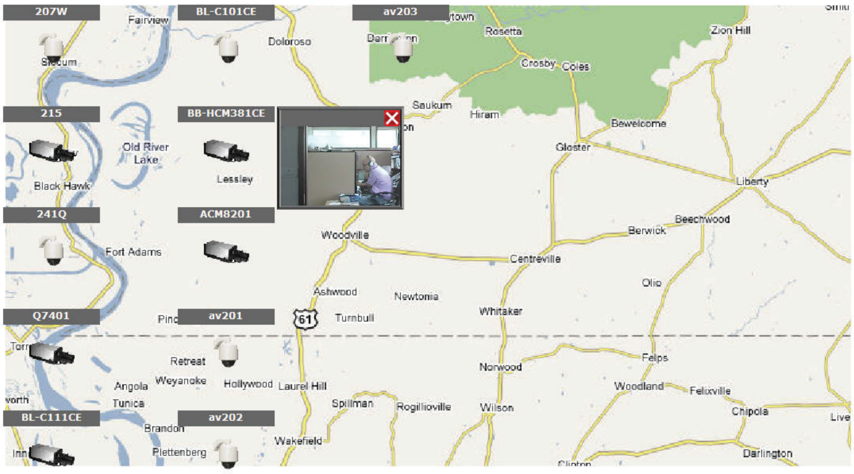
Then click and drag the camera icon to move the camera to define its location.


215
BB-HCM38...
241Q
ACM8201
Q7401
av201
Old River Lake
Black Hawk
Lessley
Woodville
Fort Adams
Saukum
Hiram
Crosby
Coles
Wilkinson
Gloster
Beweloome
Berwick
Beechwo
Centreville
Olio
Ashwood
Newtonia
Whitaker
Turnbull
61
Felps
Retreat

Access the E-Map Monitor page from the upper-right hand corner menu

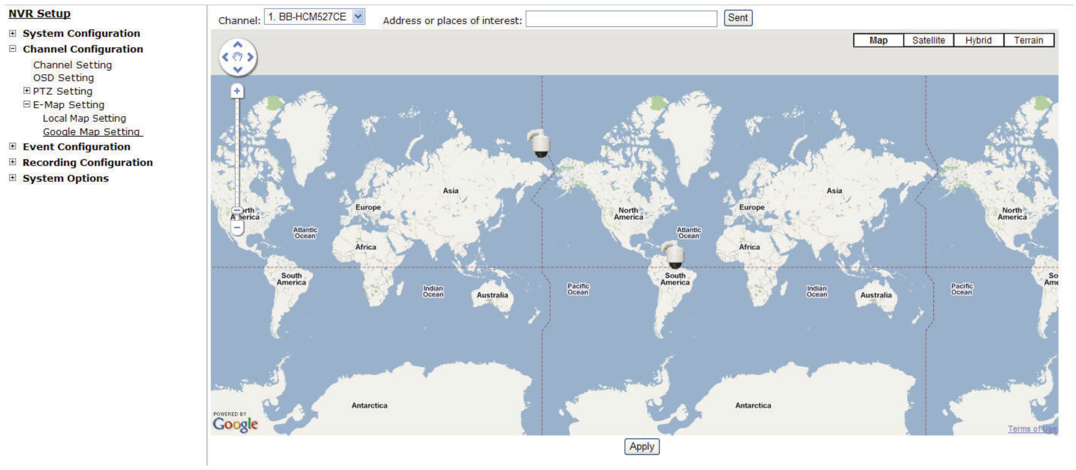

Main View | E-MAP Monitor | Setup | Channel Status
System Time: May 06, 2009 11:27:58
User: admin

When the NVR receives an event triggered from any of the cameras, their videos will be displayed on the E-Map and you can double-click on the video to enlarge it


207W
BL-C101CE
av203
215
BB-HCM381CE
241Q
ACM8201
Q7401
av201
BL-C111CE
av202
Fairview
Doloroso
Rosetta
Zion Hill
Crosby
Coles
Saukum
Hiram
Beweloome
Gloster
Old River Lake
Black Hawk
Lessley
Liberty
Woodville
Berwick
Beechwood
Centreville
Fort Adams
Olio
Ashwood
Newtonia
Whitaker
Turnbull
61
Retreat
Norwood
Felps
Woodland
Felixville
Angola
Weyanoke
Hollywood
Laurel Hill
Tunica
Spillman
Rogillioville
Wilson
Chipola
Brandon
Wakefield
Plettenberg
Darlington

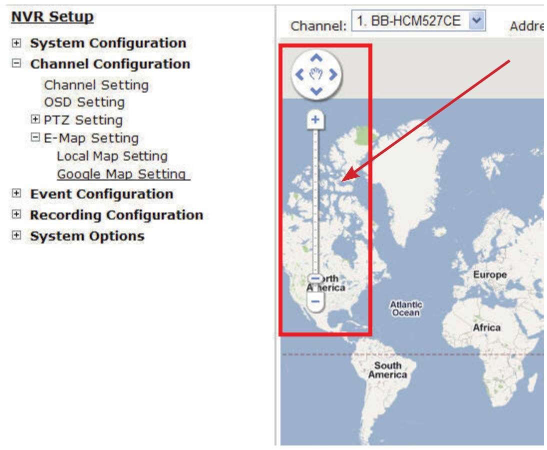
3.2.5.2 Google Map Setting

The Google Map monitor is a similar function to the aforementioned E-Map monitor. It is useful if you are managing multiple cameras from different locations.

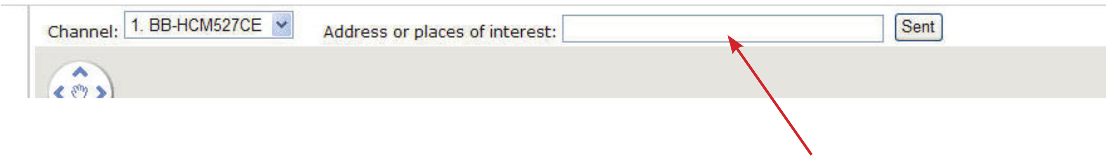

NVR Setup
System Configuration
Channel Configuration
Channel Setting
OSD Setting
PTZ Setting
E-Map Setting
Local Map Setting
Google Map Setting
Event Configuration
Recording Configuration
System Options
Channel:
1. BB-HCM527CE
Address or places of interest:
Sent
Map
Satellite
Hybrid
Terrain
North America
Europe
Asia
Africa
Atlantic Ocean
South America
Indian Ocean
Australia
Pacific Ocean
Antarctica
POWERED BY Google
Terms of Use
Apply

To configure locations of each camera, first determine the location you'd like to place the camera to on the map. You can do so by:

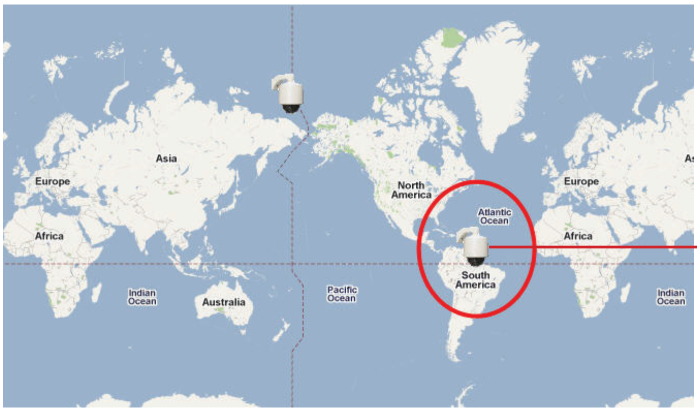
1. Zoom in to a smaller area by using the zoom control bar on the map
2. Zoom in to a smaller area by using the mouse scroll button


NVR Setup
System Configuration
Channel Configuration
Channel Setting
OSD Setting
PTZ Setting
E-Map Setting
Local Map Setting
Google Map Setting
Event Configuration
Recording Configuration
System Options
Channel:
1. BB-HCM527CE
Addre
North America
Europe
Atlantic Ocean
Africa
South America

You can also go to a specific place on the map by entering its address or the name of the place in the "Address or places of interest" field:


Channel:
1. BB-HCM527CE
Address or places of interest:
Sent

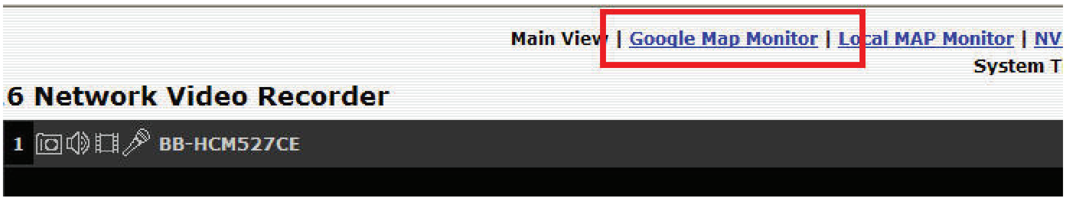
Once the location has been determined, click and drag the camera icon to move it to the desired location:


Asia
Europe
Africa
Indian Ocean
Australia
Pacific Ocean
North America
Atlantic Ocean
South America
Europe
Africa
Indian Ocean

** Click and drag the icon to re-arrange its location*

- *The Google Map Monitor requires active Internet connection and can not be used in conjunction with the regular E-Map monitor function.*
- *You can click anywhere on the map and hold down the mouse left button then drag to move the map itself*

You can then access the Google Map Monitor from the top menu:

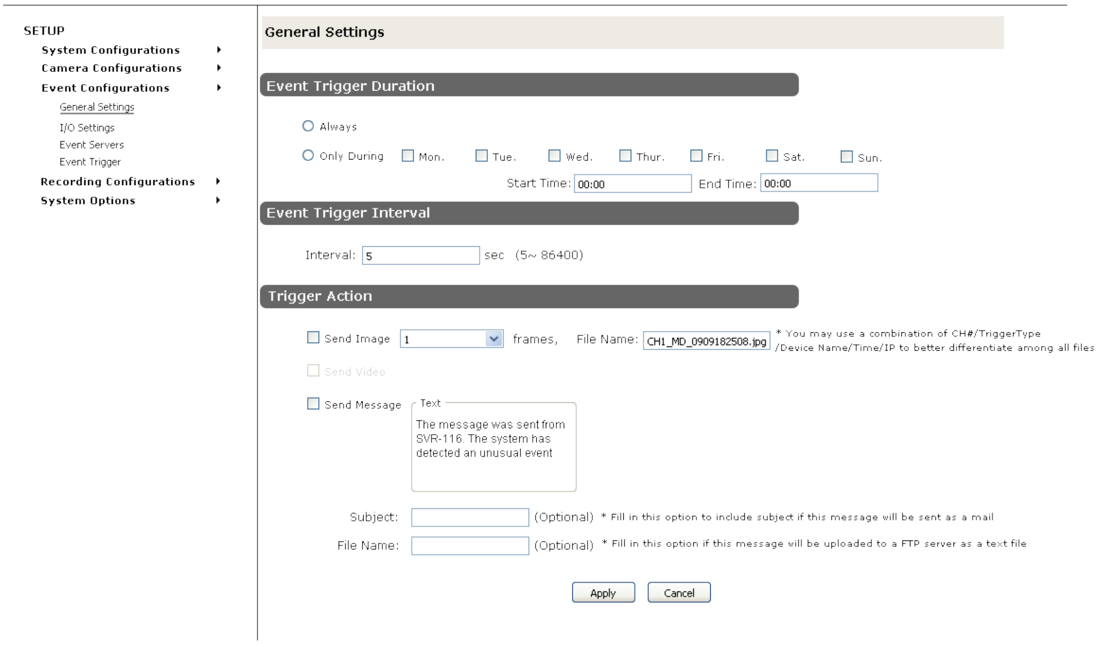

Main View | Google Map Monitor | Local MAP Monitor | NV
System T
6 Network Video Recorder
1
BB-HCM527CE

3.3 Event Configurations

The "Event Configurations" section allows users to define conditions that constitute an event, its corresponding trigger action and when it will be triggered. Such setting can reduce the management overhead and notify the administrator only when it's necessary.

3.3.1 General Settings

The general settings section can help you quickly configure when an event is triggered, how often events are triggered and the corresponding actions when events are triggered.


SETUP
System Configurations
Camera Configurations
Event Configurations
General Settings
I/O Settings
Event Servers
Event Trigger
Recording Configurations
System Options
General Settings
Event Trigger Duration
Event Trigger Interval
Trigger Action
Apply
Cancel

○ Always

○ Only During ☐ Mon. ☐ Tue. ☐ Wed. ☐ Thur. ☐ Fri. ☐ Sat. ☐ Sun.

Start Time: 00:00 End Time: 00:00

Interval: 5 sec (5~ 86400)

☐ Send Image 1 frames, File Name: CH1_MD_0909182508.jpg * You may use a combination of CH#/TriggerType /Device Name/Time/IP to better differentiate among all files

☐ Send Video

☐ Send Message Text: The message was sent from SVR-116. The system has detected an unusual event

Subject: (Optional) * Fill in this option to include subject if this message will be sent as a mail

File Name: (Optional) * Fill in this option if this message will be uploaded to a FTP server as a text file

Start the event configuration by defining the general settings:

Define when an event will be triggered

- Choose "Always" or "Only during…" under "Event Trigger Duration"
- For the "Only during…" option, choose the days by using the checkbox and then define the time range in those days in the "Start Time" and "End Time" fields that you would like the event trigger function to be enabled.

How often an event is triggered

- Set a time interval under "Event Trigger Interval" to define how often events are triggered

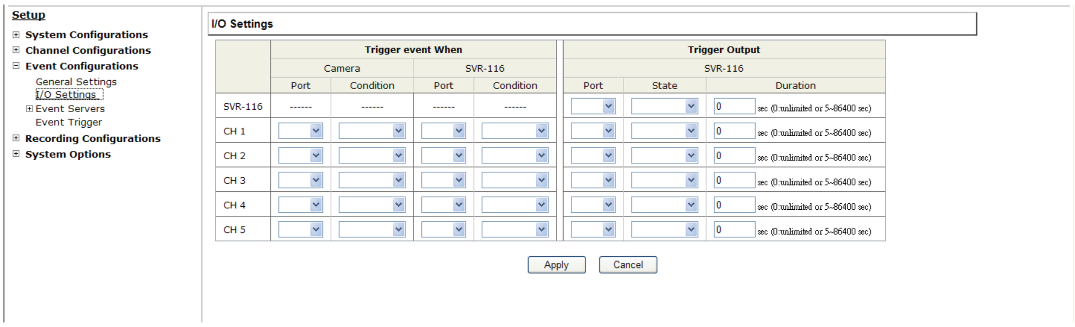
Trigger action

Now that you have the event trigger duration and interval defined, choose what action to be taken during an event trigger:

- You can choose to have the recorder send out the first few frames of the video recorder upon an event is triggered
- You can also choose to have the recorder send out a warning message in e-mail or in txt file format and upload it to an destined FTP server

3.3.2 I/O Settings

This function allows users to manage camera's digital input and output ports right from the recorder. You can setup the recorder to receive triggers from a particular camera's input port and trigger a device, such as an alarm that is connected to the recorder or camera's output port. Cameras that do not have built-in digital input/output port can also be configured to pair with the recorder's DI/DO ports.


Setup
⊞ System Configurations
⊞ Channel Configurations
⊟ Event Configurations
General Settings
I/O Settings
⊞ Event Servers
Event Trigger
⊞ Recording Configurations
⊞ System Options
Apply
Cancel

I/O Settings

	Trigger event When				Trigger Output		
	Camera		SVR-116		SVR-116		
	Port	Condition	Port	Condition	Port	State	Duration
SVR-116	------	------	------	------			0 sec (0:unlimited or 5~86400 sec)
CH 1							0 sec (0:unlimited or 5~86400 sec)
CH 2							0 sec (0:unlimited or 5~86400 sec)
CH 3							0 sec (0:unlimited or 5~86400 sec)
CH 4							0 sec (0:unlimited or 5~86400 sec)
CH 5							0 sec (0:unlimited or 5~86400 sec)

1. For cameras that come with physical digital input ports, their ports will be listed in the far left drop-down menu.
2. Pick the desired channel for I/O mapping, and then select the camera's input port from the drop-down menu.
3. Select the trigger condition from the "Condition" drop-down menu.
4. Select the recorder's input port if you would also like to use the recorder's input port for event trigger. And then select the trigger condition as well.
5. Next, select the recorder's output port and the trigger action
5. Finally, define the trigger duration.

⚠ *The recorder does not control camera's input or output ports in a way to let you pair recorder itself with a camera's input or output port for event receiving or triggering.*

⚠ *The recorder only acts as a medium for pairing up input/output ports between cameras and the recorder.*

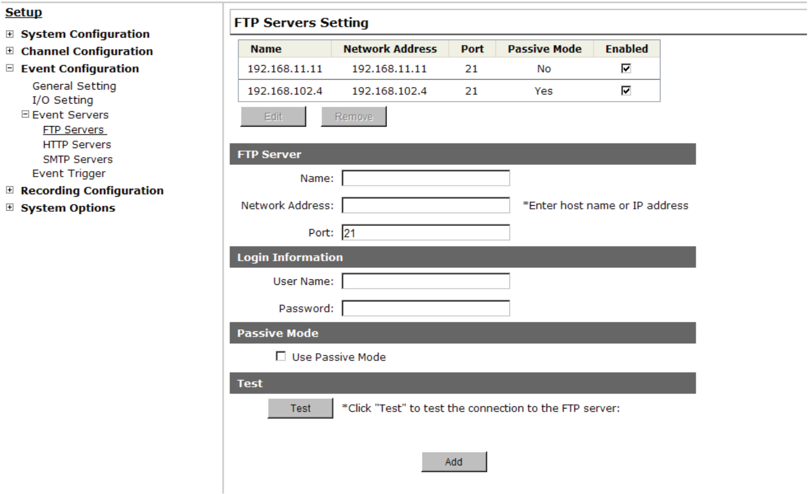
⚠ *Only connected cameras will be displayed in the list.*

⚠ *Some cameras only allow one trigger source be configured at a time, e.g.: if the camera has the motion detection function turned on, its digital input will be disabled and vice versa. Under such circumstance, if you set to use camera's digital input port as the event trigger source, you will not be able to select motion detection as the trigger source for this camera under "Event Configurations" >> "Event Trigger" setup page.*

3.3.3 Event Servers

Event servers are to be used with event trigger actions. In case of unusual motion detected by the camera or a disk failure, the recorder can send notification with the acceptable format (image/txt) to a destined event server according to the configuration.

Configuring an FTP server


Setup
⊞ System Configuration
⊞ Channel Configuration
⊟ Event Configuration
General Setting
I/O Setting
⊟ Event Servers
FTP Servers
HTTP Servers
SMTP Servers
Event Trigger
⊞ Recording Configuration
⊞ System Options
Edit
Remove
Test
Add

FTP Servers Setting

Name	Network Address	Port	Passive Mode	Enabled
192.168.11.11	192.168.11.11	21	No	☑
192.168.102.4	192.168.102.4	21	Yes	☑

FTP Server

Name:

Network Address: *Enter host name or IP address

Port: 21

Login Information

User Name:

Password:

Passive Mode

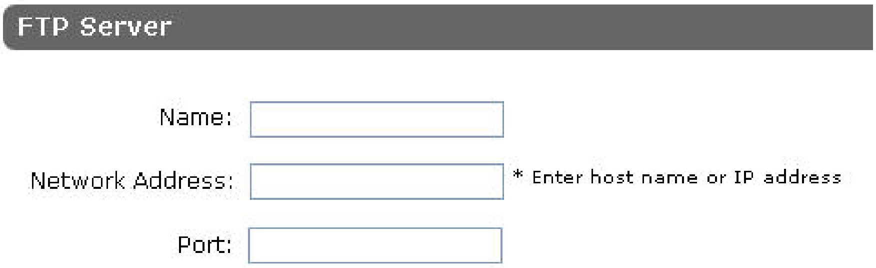
☐ Use Passive Mode

Test

*Click "Test" to test the connection to the FTP server:

To add an FTP server,

1. Start by giving a name to the server that you are adding to the recorder
2. Enter the hostname or the IP address of the FTP server
3. Enter the communication port of the FTP server (usually port 21)



FTP Server

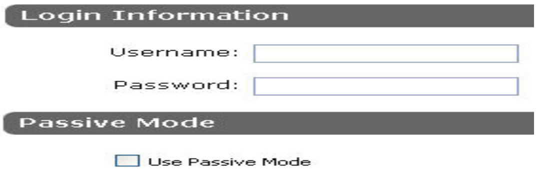
Name:

Network Address: * Enter host name or IP address

Port:

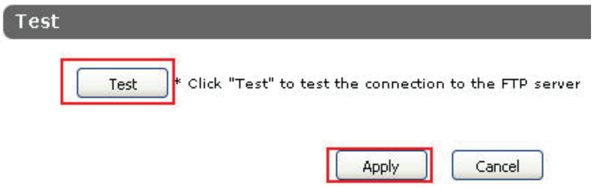
4. Enter the username and password of the FTP server if it's required

5. Check "Use Passive Mode" if it's required or leave it unchecked to use active mode


Login Information
Username:
Password:
Passive Mode
☐ Use Passive Mode

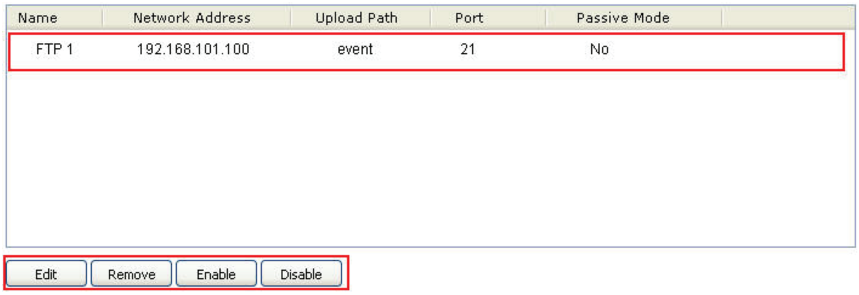
6. Click "Test" to verify if all information is entered correctly and the connection to the FTP server can be established successfully

7. Click "Apply" for the settings to take effect


Test
Test
Apply
Cancel

* Click "Test" to test the connection to the FTP server

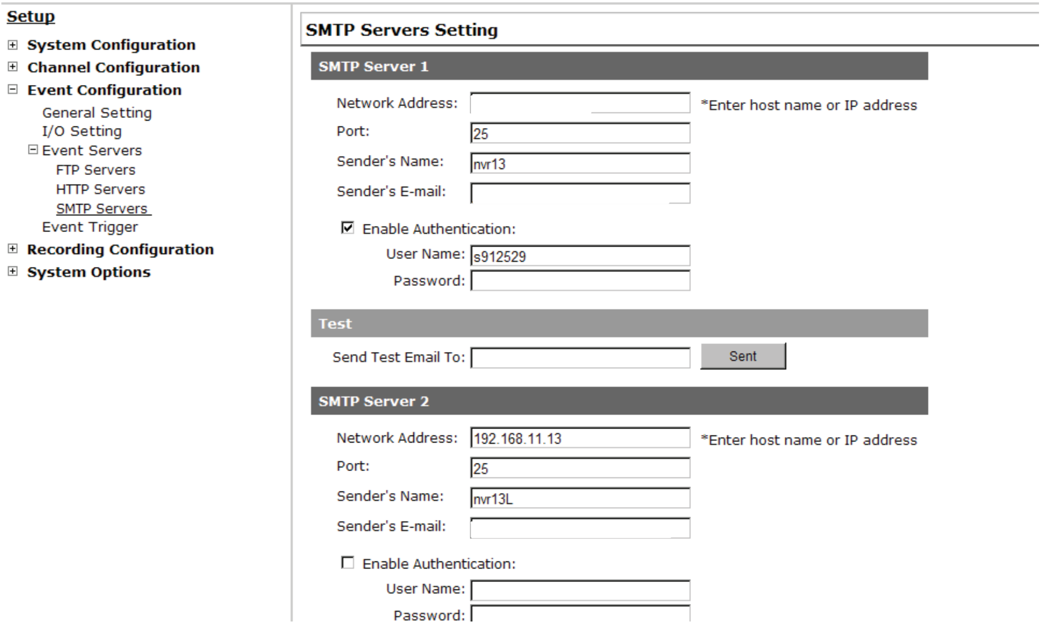
If you wish to edit/remove/enable/disable an FTP server, click to highlight one from the profile list and choose the corresponding action button



Name	Network Address	Upload Path	Port	Passive Mode
FTP 1	192.168.101.100	event	21	No

Edit
Remove
Enable
Disable

Configuring an SMTP server


Setup
⊞ System Configuration
⊞ Channel Configuration
⊟ Event Configuration
General Setting
I/O Setting
⊟ Event Servers
FTP Servers
HTTP Servers
SMTP Servers
Event Trigger
⊞ Recording Configuration
⊞ System Options
Sent

SMTP Servers Setting

SMTP Server 1

Network Address: *Enter host name or IP address
Port: 25
Sender's Name: nvr13
Sender's E-mail:
☑ Enable Authentication:
User Name: s912529
Password:

Test

Send Test Email To:

SMTP Server 2

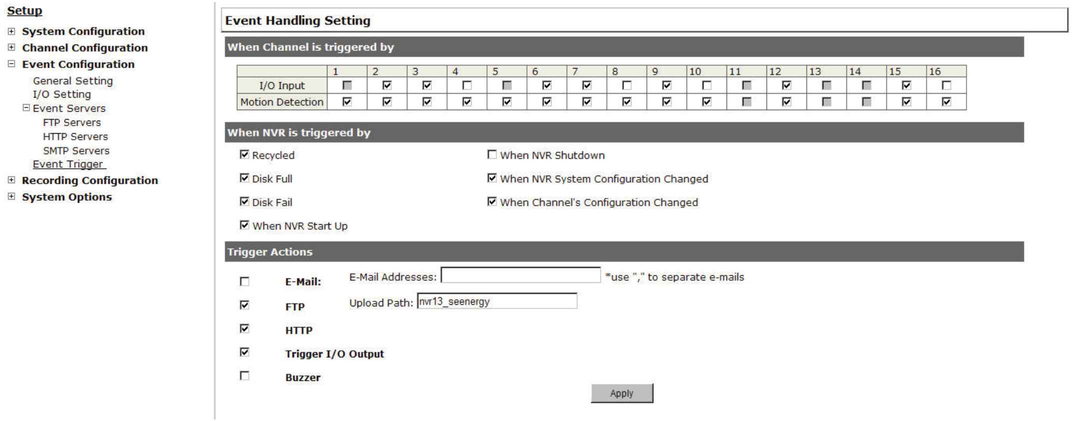
Network Address: 192.168.11.13 *Enter host name or IP address
Port: 25
Sender's Name: nvr13L
Sender's E-mail:
☐ Enable Authentication:
User Name:
Password:

1. Enter the hostname or the IP address of the SMTP server
2. Enter the port of the SMTP server
3. Specify the sender's name in the "Sender's name" field
4. Enter the sender's e-mail address
5. Check "Enable Authentication" and enter the username and password of the SMTP server and it requires authentication
6. Click "Apply" to save the configuration

3.3.4 Event Triggers

We have finished defining how an event will be triggered and which servers will be receiving notifications in the previous two sections, now we can finish up the event configuration by setting:

- which channels will have event trigger function enabled
- What is considered to be an event
- Where the warnings will be sent to and how they will be sent


Setup
⊞ System Configuration
⊞ Channel Configuration
⊟ Event Configuration
General Setting
I/O Setting
⊟ Event Servers
FTP Servers
HTTP Servers
SMTP Servers
Event Trigger
⊞ Recording Configuration
⊞ System Options

Event Handling Setting

When Channel is triggered by

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I/O Input	▨	☑	☑	☐	▨	☑	☑	☐	☑	☐	▨	☑	▨	▨	☑	☐
Motion Detection	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	▨	☑	▨	▨	☑	☑

When NVR is triggered by

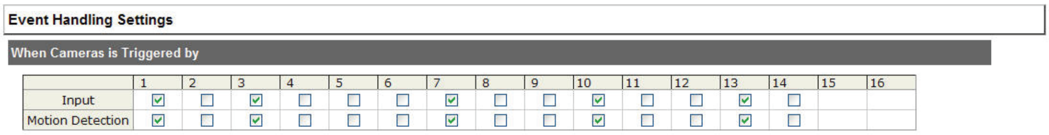
☑ Recycled
☑ Disk Full
☑ Disk Fail
☑ When NVR Start Up
☐ When NVR Shutdown
☑ When NVR System Configuration Changed
☑ When Channel's Configuration Changed

Trigger Actions

☐ **E-Mail:** E-Mail Addresses: "use "," to separate e-mails
☑ **FTP** Upload Path: nvr13_seenergy
☑ **HTTP**
☑ **Trigger I/O Output**
☐ **Buzzer**

Select Channels to Enable Event Trigger and which type of event should be triggered

- Use the checkbox to enable event trigger on the desired channels



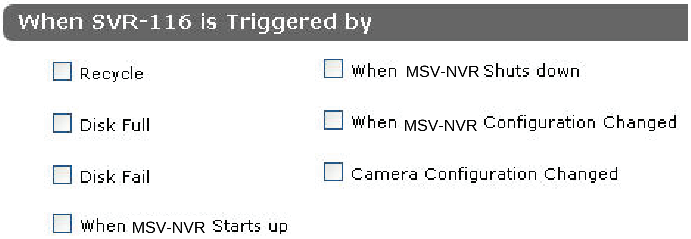
Event Handling Settings

When Cameras is Triggered by

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Input	☑	☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐		
Motion Detection	☑	☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	☑	☐		

** Once motion detection is enabled in this page, please configure the motion area and enable motion detection in the corresponding channels (cameras). The NVR only detects the first motion area set in the camera. The NVR recognizes the first motion area by its ID number set in the camera.*

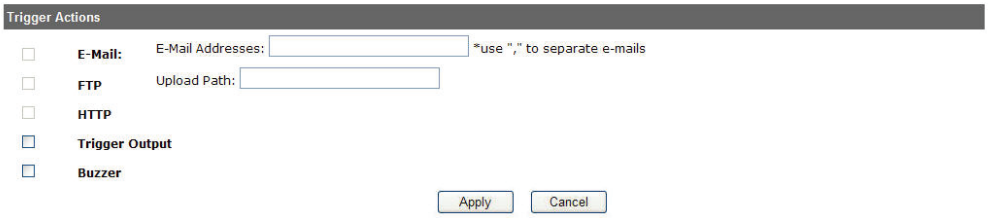
- Define which system events should trigger the recorder to send out notifications



When SVR-116 is Triggered by

☐ Recycle
☐ Disk Full
☐ Disk Fail
☐ When MSV-NVR Starts up
☐ When MSV-NVR Shuts down
☐ When MSV-NVR Configuration Changed
☐ Camera Configuration Changed

- Define how the notifications will be sent and where they will be sent to



Trigger Actions

☐ **E-Mail:** E-Mail Addresses: *use "," to separate e-mails
☐ **FTP** Upload Path:
☐ **HTTP**
☐ **Trigger Output**
☐ **Buzzer**

** Event trigger may not work for cameras that are placed outside of your local network or on the Internet until the "UPnP Port Forwarding" is enabled in both the NVR and the router.*

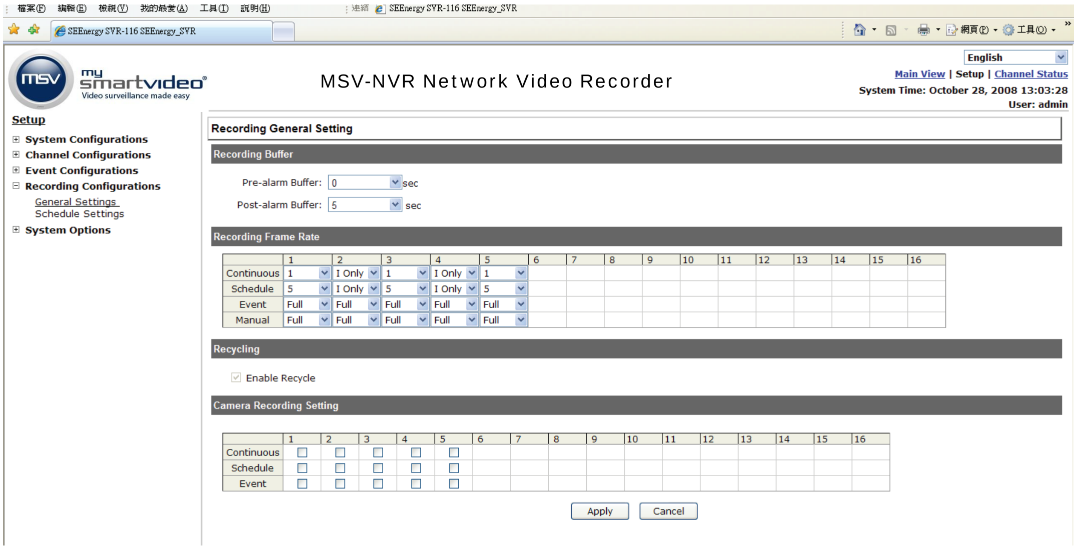
3.4 Recording Configurations

The "recording configurations" gives users the overall control of how and when a recording is performed and the quality of different types of recordings performed on each channels. It can help the recorder to operate with sufficient system resource by performing recording only when it's necessary with adjustable recording frame rate.

3.4.1 General Settings

You can define the following in "General Settings":

- Pre-Alarm/Post-Alarm recording length
- Recording frame rate
- Enable/disable different recording types on different cameras
- Enable/disable audio recording


檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)
連結
SEEnergy SVR-116 SEEnergy_SVR
網頁(P) 工具(O)
my smartvideo
Video surveillance made easy
English
Main View | Setup | Channel Status
Setup
System Configurations
Channel Configurations
Event Configurations
Recording Configurations
General Settings
Schedule Settings
System Options
Apply
Cancel

MSV-NVR Network Video Recorder

System Time: October 28, 2008 13:03:28
User: admin

Recording General Setting

Recording Buffer

Pre-alarm Buffer: 0 sec
Post-alarm Buffer: 5 sec

Recording Frame Rate

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Continuous	1	I Only	1	I Only	1											
Schedule	5	I Only	5	I Only	5											
Event	Full	Full	Full	Full	Full											
Manual	Full	Full	Full	Full	Full											

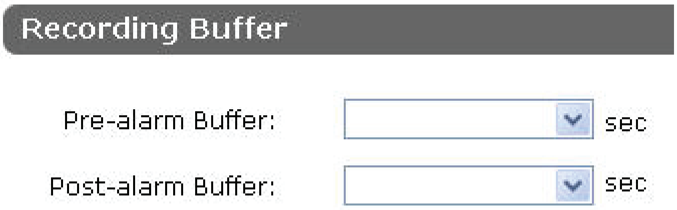
Recycling

☑ Enable Recycle

Camera Recording Setting

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Continuous	☐	☐	☐	☐	☐											
Schedule	☐	☐	☐	☐	☐											
Event	☐	☐	☐	☐	☐											

The "recording configurations" gives users the overall control of how and when a recording is performed and the quality of different types of recordings performed on each channels. It can help the recorder to operate with sufficient system resource by performing recording only when it's necessary with adjustable recording frame rate.

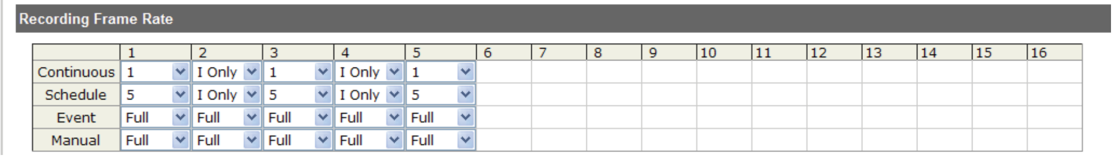


Recording Buffer

Pre-alarm Buffer: sec

Post-alarm Buffer: sec

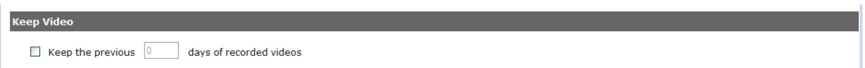
Recording frame rate allows you to set different frame rate for different types of recording instead of recording at one frame rate only. Use the drop-down menu and select one of the pre-defined frame rates for a particular recording type



Recording Frame Rate

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Continuous	1	I Only	1	I Only	1											
Schedule	5	I Only	5	I Only	5											
Event	Full	Full	Full	Full	Full											
Manual	Full	Full	Full	Full	Full											

Users can also set to keep a previous number of days of recording data by enabling the option below. This is quite often used in application such as banking which certain countries requires to always keep a minimum previous number of days of recording data.



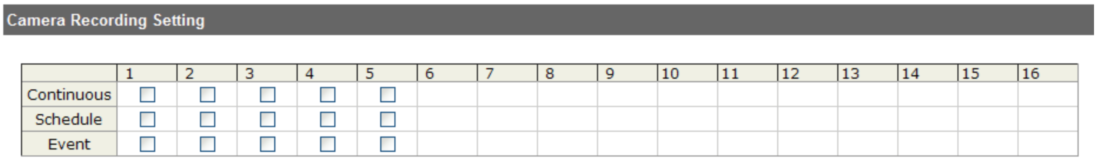
Keep Video

☐ Keep the previous 0 days of recorded videos

** If this option is enabled, once the hard drive is full, the recycle function will then start but it will ensure that the number of days of recording data defined here will stay in hard drive instead of wiping out 20GB of data at a time.*

** If the hard drive is not full, the NVR re-calculates twice a day (each at 2:30am and 2:30pm) to keep the defined number of days of recording data from these two particular point of time backward.*

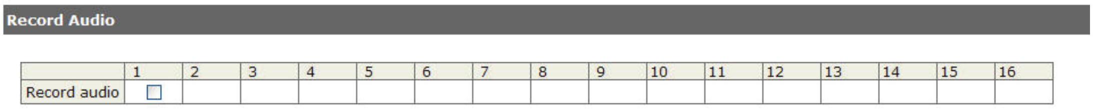
The section at the bottom allows you to turn on or off a particular recording type on any channels.



Camera Recording Setting

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Continuous	☐	☐	☐	☐	☐											
Schedule	☐	☐	☐	☐	☐											
Event	☐	☐	☐	☐	☐											

The section at the bottom of the page allows you to disable audio recording (record video only) of particular channels.

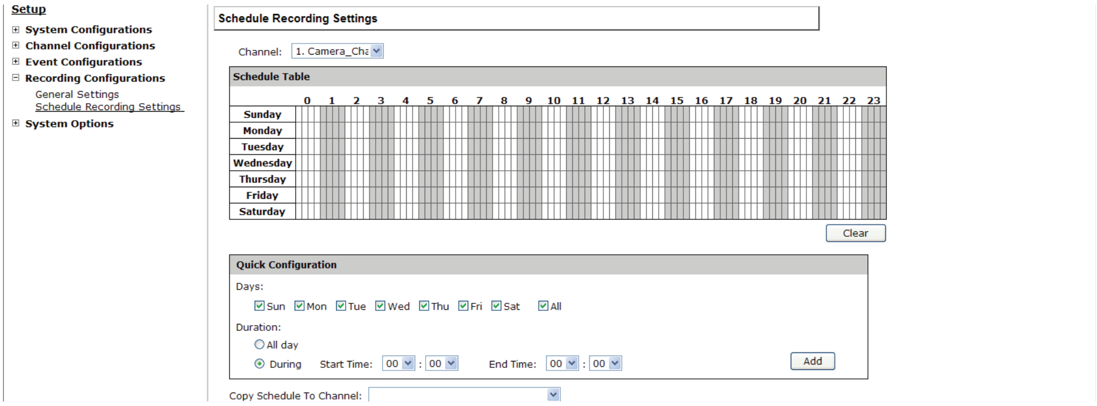


Record Audio

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Record audio	☐															

3.4.2 Schedule Recording

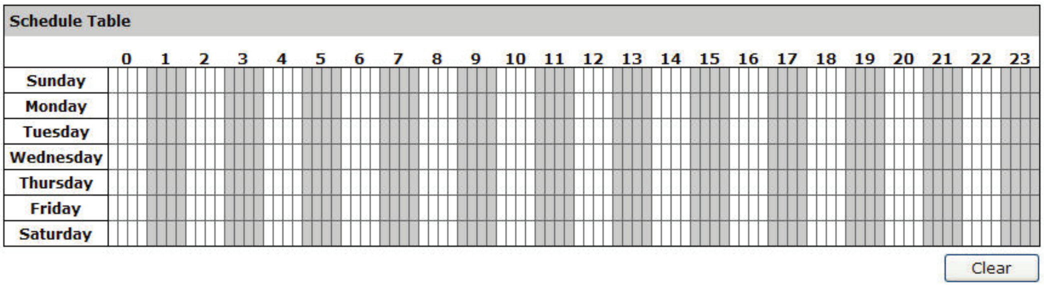
Here you can define the time range of the schedule recording for all channels.


Setup
⊞ System Configurations
⊞ Channel Configurations
⊞ Event Configurations
⊟ Recording Configurations
General Settings
Schedule Recording Settings
⊞ System Options
Schedule Recording Settings
Channel: 1. Camera_Cha
Schedule Table
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Clear
Quick Configuration
Days:
☑ Sun ☑ Mon ☑ Tue ☑ Wed ☑ Thu ☑ Fri ☑ Sat ☑ All
Duration:
○ All day
● During Start Time: 00 : 00 End Time: 00 : 00
Add
Copy Schedule To Channel:

To configure a schedule recording:

1. Use the "Camera" drop-down menu and select a camera first

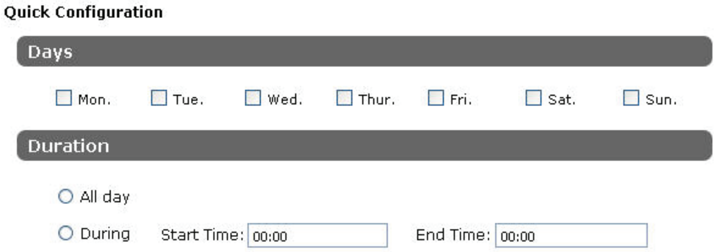
2. You can use the schedule table to set the time range. Click the cell boxes then move the curser horizontally lets you set what hours to perform recording during a day. Click and move vertically lets you set what days to perform recording at a specific time.


Schedule Table

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sunday																								
Monday																								
Tuesday																								
Wednesday																								
Thursday																								
Friday																								
Saturday																								

** Each cell box represents 15 minutes of time. Click one or more boxes to omit consecutive recording*

3. You can also use the "Quick Configuration" to define recording time range instead of clicking cell boxex one by one on the time table. Simply check what days you would like to perform recording and specify the recording duration by either choosing "All Day" or enter a start and end time for specific recording duration.



Quick Configuration

Days

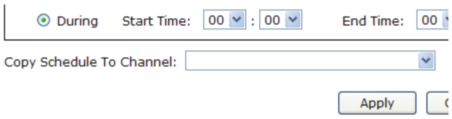
☐ Mon. ☐ Tue. ☐ Wed. ☐ Thur. ☐ Fri. ☐ Sat. ☐ Sun.

Duration

○ All day

○ During Start Time: 00:00 End Time: 00:00

4. Select the "Copy to" option if you would like to set the same recording schedule to another camera.



● During Start Time: 00 : 00 End Time: 00

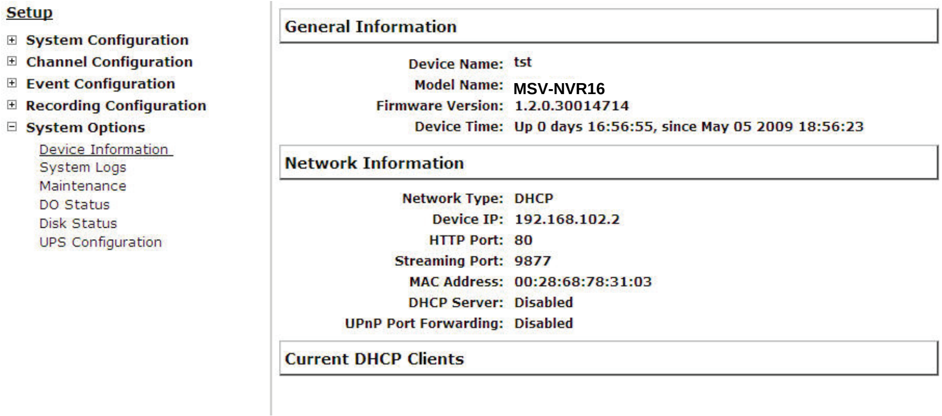
Copy Schedule To Channel:

3.5 System Options

System Options gives users a glance of the overall system status and allows users to perform maintenance tasks such as upgrading firmware, restore/backup device settings or reboot device ….etc.

3.5.1 Device Information

The "Device Information" provides the general information of the device such as firmware version and system time. It also provides information of the current network settings and status.


Setup
⊞ System Configuration
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊟ System Options
Device Information
System Logs
Maintenance
DO Status
Disk Status
UPS Configuration

General Information

Device Name: tst
Model Name: MSV-NVR16
Firmware Version: 1.2.0.30014714
Device Time: Up 0 days 16:56:55, since May 05 2009 18:56:23

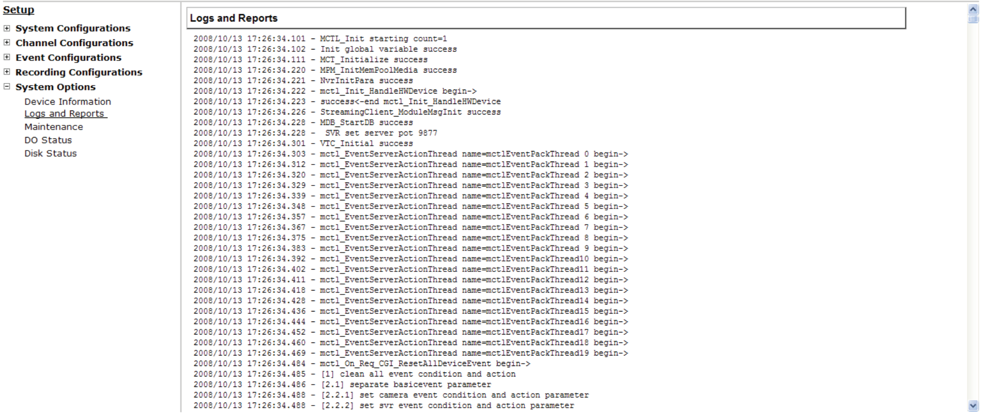
Network Information

Network Type: DHCP
Device IP: 192.168.102.2
HTTP Port: 80
Streaming Port: 9877
MAC Address: 00:28:68:78:31:03
DHCP Server: Disabled
UPnP Port Forwarding: Disabled

Current DHCP Clients

3.5.2 Logs and Reports

"Logs and Reports" keeps a record of what's been happening to the device and provides basic information for troubleshooting

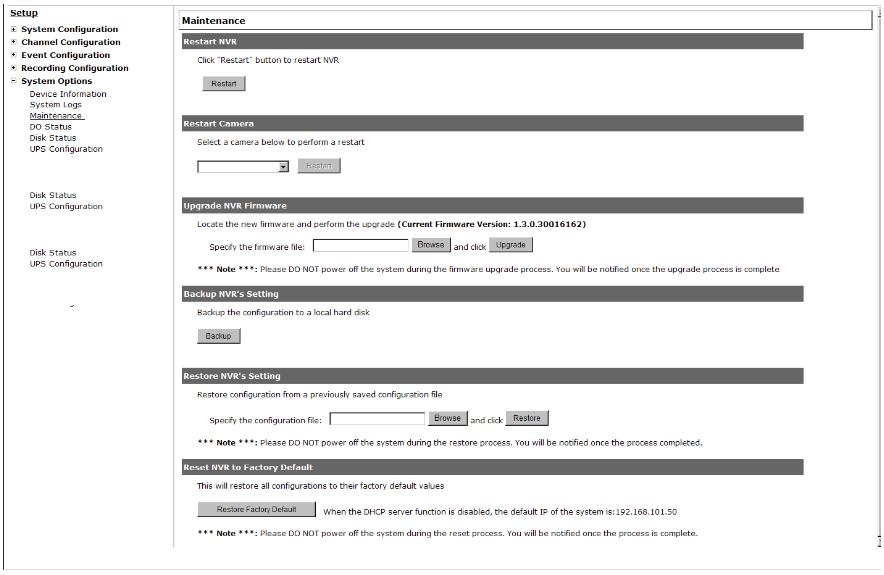

Setup
⊞ System Configurations
⊞ Channel Configurations
⊞ Event Configurations
⊞ Recording Configurations
⊟ System Options
Device Information
Logs and Reports
Maintenance
DO Status
Disk Status
Logs and Reports

```
2008/10/13 17:26:34.101 - MCTL_Init starting count=1
2008/10/13 17:26:34.102 - Init global variable success
2008/10/13 17:26:34.111 - MCT_Initialize success
2008/10/13 17:26:34.220 - MPM_InitMemPoolMedia success
2008/10/13 17:26:34.221 - NvrInitPara success
2008/10/13 17:26:34.222 - mctl_Init_HandleHWDevice begin->
2008/10/13 17:26:34.223 - success<-end mctl_Init_HandleHWDevice
2008/10/13 17:26:34.226 - StreamingClient_ModuleMsgInit success
2008/10/13 17:26:34.228 - MDB_StartDB success
2008/10/13 17:26:34.228 -  SVR set server pot 9877
2008/10/13 17:26:34.301 - VTC_Initial success
2008/10/13 17:26:34.303 - mctl_EventServerActionThread name=mctlEventPackThread 0 begin->
2008/10/13 17:26:34.312 - mctl_EventServerActionThread name=mctlEventPackThread 1 begin->
2008/10/13 17:26:34.320 - mctl_EventServerActionThread name=mctlEventPackThread 2 begin->
2008/10/13 17:26:34.329 - mctl_EventServerActionThread name=mctlEventPackThread 3 begin->
2008/10/13 17:26:34.339 - mctl_EventServerActionThread name=mctlEventPackThread 4 begin->
2008/10/13 17:26:34.348 - mctl_EventServerActionThread name=mctlEventPackThread 5 begin->
2008/10/13 17:26:34.357 - mctl_EventServerActionThread name=mctlEventPackThread 6 begin->
2008/10/13 17:26:34.367 - mctl_EventServerActionThread name=mctlEventPackThread 7 begin->
2008/10/13 17:26:34.375 - mctl_EventServerActionThread name=mctlEventPackThread 8 begin->
2008/10/13 17:26:34.383 - mctl_EventServerActionThread name=mctlEventPackThread 9 begin->
2008/10/13 17:26:34.392 - mctl_EventServerActionThread name=mctlEventPackThread10 begin->
2008/10/13 17:26:34.402 - mctl_EventServerActionThread name=mctlEventPackThread11 begin->
2008/10/13 17:26:34.411 - mctl_EventServerActionThread name=mctlEventPackThread12 begin->
2008/10/13 17:26:34.418 - mctl_EventServerActionThread name=mctlEventPackThread13 begin->
2008/10/13 17:26:34.428 - mctl_EventServerActionThread name=mctlEventPackThread14 begin->
2008/10/13 17:26:34.436 - mctl_EventServerActionThread name=mctlEventPackThread15 begin->
2008/10/13 17:26:34.444 - mctl_EventServerActionThread name=mctlEventPackThread16 begin->
2008/10/13 17:26:34.452 - mctl_EventServerActionThread name=mctlEventPackThread17 begin->
2008/10/13 17:26:34.460 - mctl_EventServerActionThread name=mctlEventPackThread18 begin->
2008/10/13 17:26:34.469 - mctl_EventServerActionThread name=mctlEventPackThread19 begin->
2008/10/13 17:26:34.484 - mctl_On_Req_CGI_ResetAllDeviceEvent begin->
2008/10/13 17:26:34.485 - [1] clean all event condition and action
2008/10/13 17:26:34.486 - [2.1] separate basicevent parameter
2008/10/13 17:26:34.488 - [2.2.1] set camera event condition and action parameter
2008/10/13 17:26:34.488 - [2.2.2] set svr event condition and action parameter
```

3.5.3 Maintenance

"Maintenance" provides functions for users to:

- Reboot the NVR when necessary
- Reboot cameras directly from the NVR
- Perform Firmware Upgrade
- Backup the NVR's settings to a local hard drive
- Restore the NVR's settings from a previously saved configuration file
- Reset the NVR's settings to their factory default values


Setup
⊞ System Configuration
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊟ System Options
Device Information
System Logs
Maintenance
DO Status
Disk Status
UPS Configuration
Disk Status
UPS Configuration
Disk Status
UPS Configuration
Maintenance
Restart
Restart
Browse
Upgrade
Backup
Browse
Restore
Restore Factory Default

Restart NVR

Click "Restart" button to restart NVR

Restart Camera

Select a camera below to perform a restart

Upgrade NVR Firmware

Locate the new firmware and perform the upgrade **(Current Firmware Version: 1.3.0.30016162)**

Specify the firmware file: and click

*** **Note** ***: Please DO NOT power off the system during the firmware upgrade process. You will be notified once the upgrade process is complete

Backup NVR's Setting

Backup the configuration to a local hard disk

Restore NVR's Setting

Restore configuration from a previously saved configuration file

Specify the configuration file: and click

*** **Note** ***: Please DO NOT power off the system during the restore process. You will be notified once the process completed.

Reset NVR to Factory Default

This will restore all configurations to their factory default values

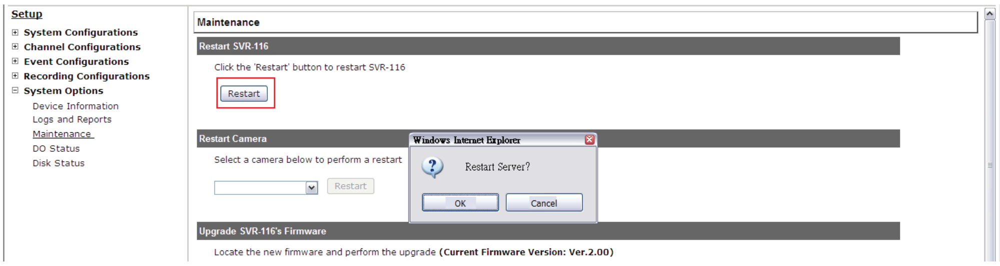
When the DHCP server function is disabled, the default IP of the system is:192.168.101.50

*** **Note** ***: Please DO NOT power off the system during the reset process. You will be notified once the process is complete.

Reboot the NVR

Reboot the NVR after you upload a new firmware. You would need to manually reboot the system for the new firmware to take effect. Such process would prevent a recording from getting interrupted because the system would not automatically reboot itself after the new firmware is loaded onto the recorder.

Simply click "Restart" to begin the reboot process and confirm the action:


Setup
⊞ System Configurations
⊞ Channel Configurations
⊞ Event Configurations
⊞ Recording Configurations
⊟ System Options
Device Information
Logs and Reports
Maintenance
DO Status
Disk Status
Maintenance
Restart SVR-116
Restart
Restart Camera
Restart
Windows Internet Explorer
OK
Cancel
Upgrade SVR-116's Firmware

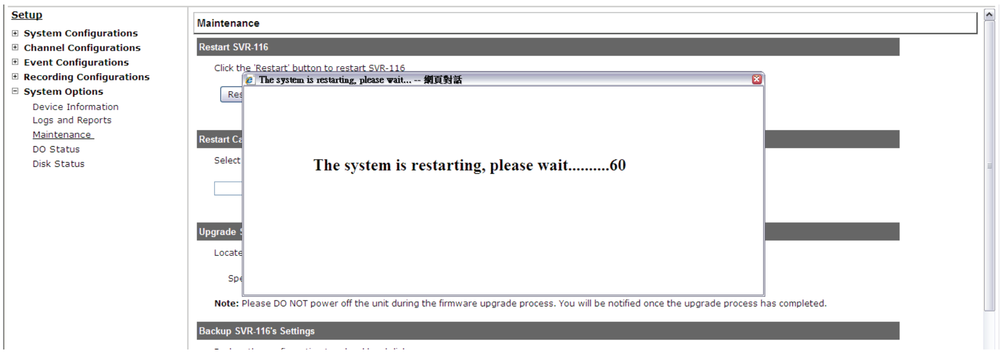
Click the 'Restart' button to restart SVR-116

Select a camera below to perform a restart

Restart Server?

Locate the new firmware and perform the upgrade **(Current Firmware Version: Ver.2.00)**

The restart process should be displayed and you should be prompted back to the "Maintenance" page after it is complete:


Setup
⊞ System Configurations
⊞ Channel Configurations
⊞ Event Configurations
⊞ Recording Configurations
⊟ System Options
Device Information
Logs and Reports
Maintenance
DO Status
Disk Status
Maintenance
Restart SVR-116
Restart Ca
Upgrade
The system is restarting, please wait... -- 網頁對話
Backup SVR-116's Settings

Click the 'Restart' button to restart SVR-116

The system is restarting, please wait..........60

Note: Please DO NOT power off the unit during the firmware upgrade process. You will be notified once the upgrade process has completed.

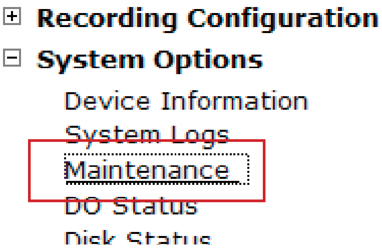
Firmware Upgrade

The firmware can be upgraded through web UI or USB. Before upgrading firmware, please backup configuration in advance.

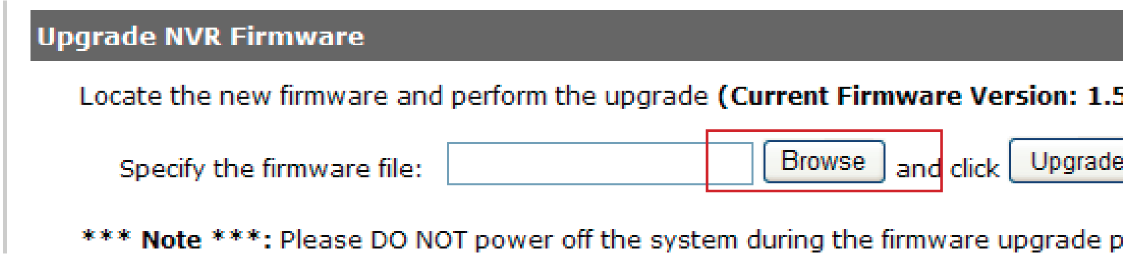
***** the firmware file comes with a ".tar.gz" file extension, please use the file as is, DO NOT unzip it. It's normal that you may only see ".tar" as the file extension in Windows as the OS hide the known file extention by default.***

A. Upgrade through Web UI

1. Login into NVR's web management UI. Go to "Setup" page and go to "System Options"->"Maintenance"


⊞ Recording Configuration
⊟ System Options
Device Information
System Logs
Maintenance
DO Status
Disk Status

2. On "Upgrade NVR's Firmware" section, click "Browse" and select new firmware file

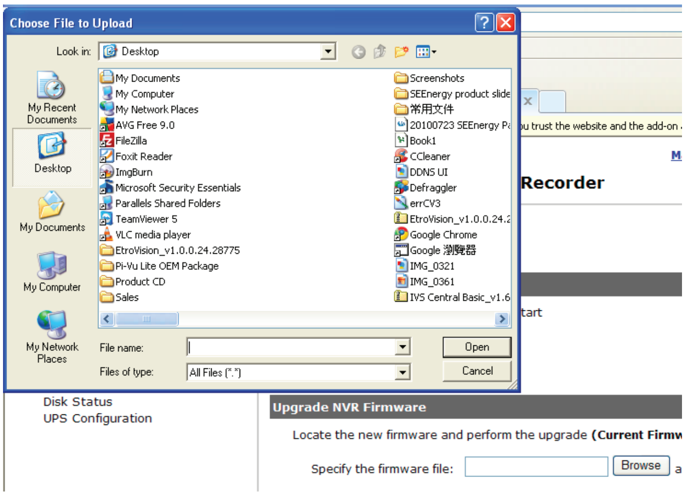

Upgrade NVR Firmware
Browse
Upgrade

Locate the new firmware and perform the upgrade **(Current Firmware Version: 1.5**

Specify the firmware file: and click

***** Note ***:** Please DO NOT power off the system during the firmware upgrade p

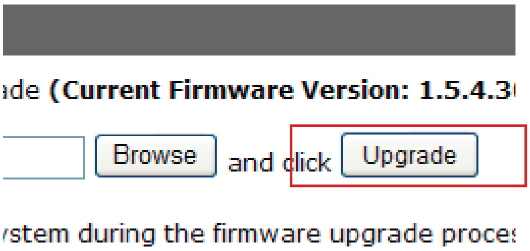
3. A new dialog should display and let you choose the location of the firmware file


Choose File to Upload
Look in: Desktop
My Recent Documents
Desktop
My Documents
My Computer
My Network Places
My Documents
My Computer
My Network Places
AVG Free 9.0
FileZilla
Foxit Reader
ImgBurn
Microsoft Security Essentials
Parallels Shared Folders
TeamViewer 5
VLC media player
EtroVision_v1.0.0.24.28775
Pi-Vu Lite OEM Package
Product CD
Sales
Screenshots
SEEnergy product slide
常用文件
20100723 SEEnergy P
Book1
CCleaner
DDNS UI
Defraggler
errCV3
EtroVision_v1.0.0.24.2
Google Chrome
Google 瀏覽器
IMG_0321
IMG_0361
IVS Central Basic_v1.6
File name:
Files of type: All Files (*.*)
Open
Cancel
Recorder
Disk Status
UPS Configuration
Upgrade NVR Firmware
Browse

Locate the new firmware and perform the upgrade **(Current Firmw**

Specify the firmware file:

4. When done, click "Upgrade"



ıde (Current Firmware Version: 1.5.4.3

ıstem during the firmware upgrade proce

5. Follow the on screen instruction and wait for the process to finish (After upgrade, the system will reboot automatically, it's part of the process)

B. Upgrade through USB

1. Prepare a USB flash disk and format with FAT or FAT32 format

2. Place the firmware in the USB flash disk and make sure it's placed at the top-level directory. Please do not place the file in a folder. **(make sure to change the firmware file name to "firmware" and leave its file extension ".tar.gz" as is before placing the file to the USB disk)**

3. Plug USB flash disk into USB port on the NVR

4. The Status LED on the NVR will start to flash in amber. This indicates firmware upgrade is in process

5. *** Warning *** Please wait until upgrade process finished, interrupt the upgrade process may cause system not work anymore

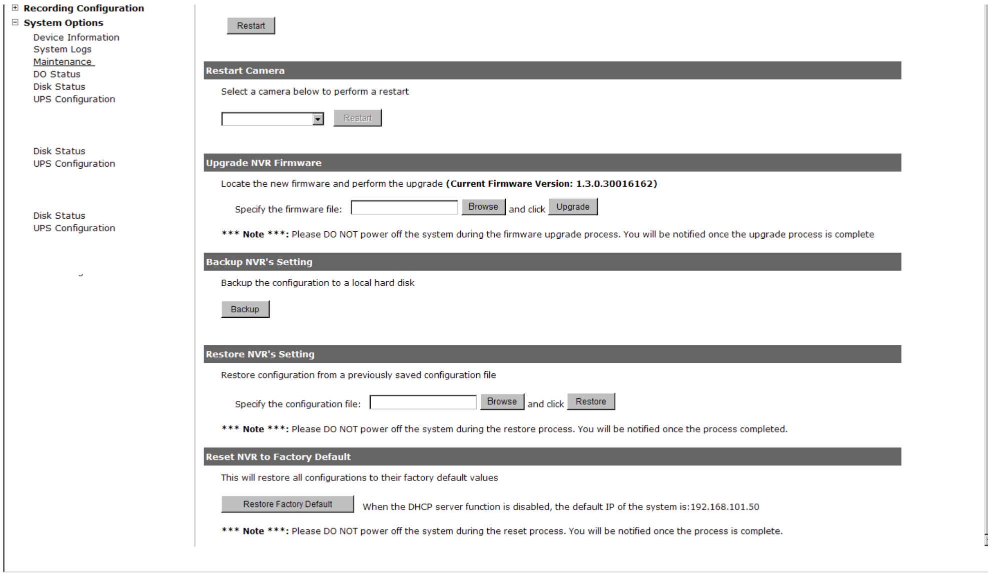
6. Wait until Status LED flashes in green. This indicates firmware upgrade is finished

7. Power off the NVR and remove the USB disk the power the unit back on again

8. Restore configuration file back if needed

Reset the NVR to Factory Default

To reset the recorder back to its factory default, click "Default" button and begin the proces:


Recording Configuration
System Options
Device Information
System Logs
Maintenance
DO Status
Disk Status
UPS Configuration
Disk Status
UPS Configuration
Disk Status
UPS Configuration
Restart
Restart
Browse
Upgrade
Backup
Browse
Restore
Restore Factory Default

Restart Camera

Select a camera below to perform a restart

Upgrade NVR Firmware

Locate the new firmware and perform the upgrade **(Current Firmware Version: 1.3.0.30016162)**

Specify the firmware file: and click

*** **Note** ***: Please DO NOT power off the system during the firmware upgrade process. You will be notified once the upgrade process is complete

Backup NVR's Setting

Backup the configuration to a local hard disk

Restore NVR's Setting

Restore configuration from a previously saved configuration file

Specify the configuration file: and click

*** **Note** ***: Please DO NOT power off the system during the restore process. You will be notified once the process completed.

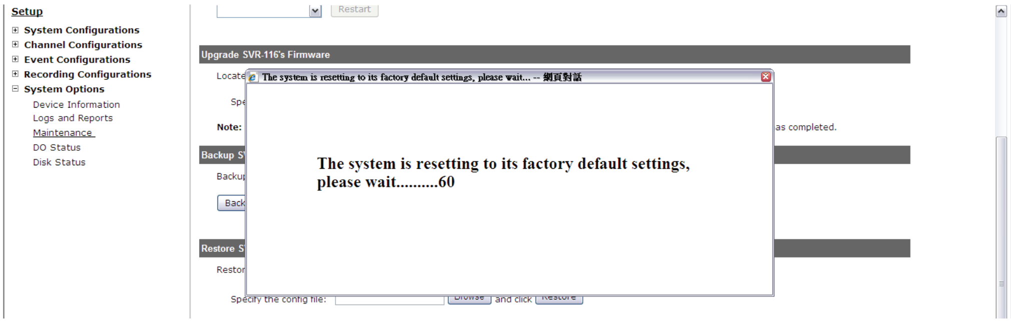
Reset NVR to Factory Default

This will restore all configurations to their factory default values

When the DHCP server function is disabled, the default IP of the system is:192.168.101.50

*** **Note** ***: Please DO NOT power off the system during the reset process. You will be notified once the process is complete.

The process should be displayed and you should be prompted back to the "Maintenance" page after it is complete:

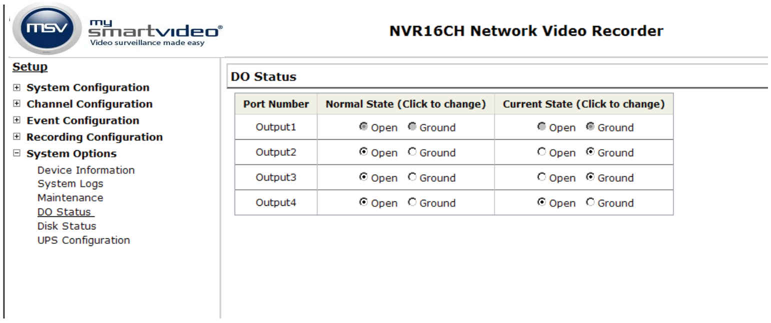

Setup
System Configurations
Channel Configurations
Event Configurations
Recording Configurations
System Options
Device Information
Logs and Reports
Maintenance
DO Status
Disk Status
Restart
Upgrade SVR-116's Firmware
Backup S
Restore S
Back
Browse
Restore

The system is resetting to its factory default settings, please wait... -- 網頁對話

The system is resetting to its factory default settings, please wait..........60

3.5.4 DO Status

This is where you can get the current status of the NVR digital output ports. You can also change their status from this page.


my smartvideo
Video surveillance made easy
Setup
⊞ System Configuration
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊟ System Options
Device Information
System Logs
Maintenance
DO Status
Disk Status
UPS Configuration

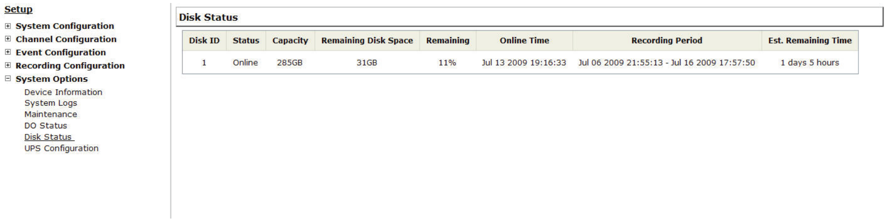
NVR16CH Network Video Recorder

DO Status

Port Number	Normal State (Click to change)	Current State (Click to change)
Output1	● Open ○ Ground	○ Open ● Ground
Output2	● Open ○ Ground	○ Open ● Ground
Output3	● Open ○ Ground	○ Open ● Ground
Output4	● Open ○ Ground	● Open ○ Ground

3.5.5 Disk Status

“Disk Status” gives you a more detailed information of the hard drive that is currently installed in the NVR.

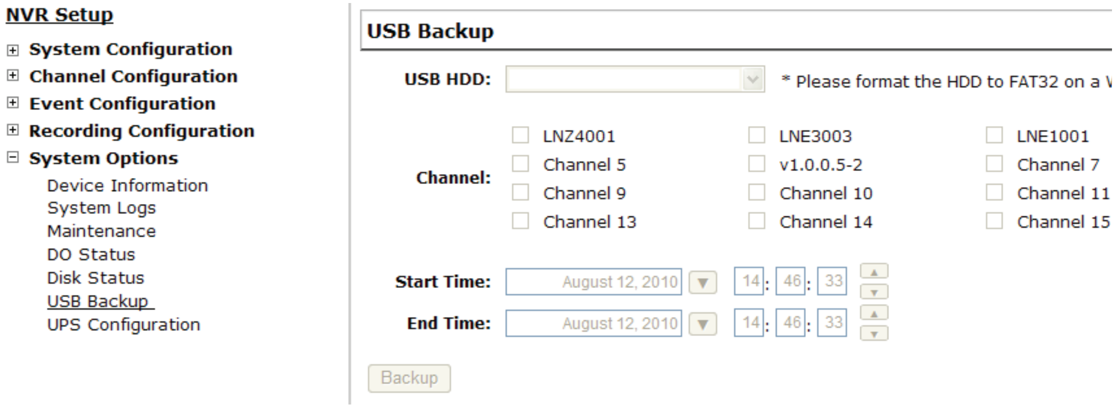

Setup
⊞ System Configuration
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊟ System Options
Device Information
System Logs
Maintenance
DO Status
Disk Status
UPS Configuration

Disk Status

Disk ID	Status	Capacity	Remaining Disk Space	Remaining	Online Time	Recording Period	Est. Remaining Time
1	Online	285GB	31GB	11%	Jul 13 2009 19:16:33	Jul 06 2009 21:55:13 - Jul 16 2009 17:57:50	1 days 5 hours

3.5.6 USB Backup

It's a function that allows users to backup the recording data in its database file format (not AVI) to the externally connected USB hard disk.



NVR Setup

- ⊞ **System Configuration**
- ⊞ **Channel Configuration**
- ⊞ **Event Configuration**
- ⊞ **Recording Configuration**
- ⊟ **System Options**
  - Device Information
  - System Logs
  - Maintenance
  - DO Status
  - Disk Status
  - USB Backup
  - UPS Configuration

USB Backup

USB HDD: * Please format the HDD to FAT32 on a \

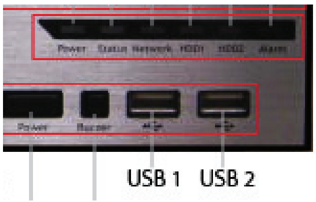
Channel:

☐ LNZ4001	☐ LNE3003	☐ LNE1001
☐ Channel 5	☐ v1.0.0.5-2	☐ Channel 7
☐ Channel 9	☐ Channel 10	☐ Channel 11
☐ Channel 13	☐ Channel 14	☐ Channel 15

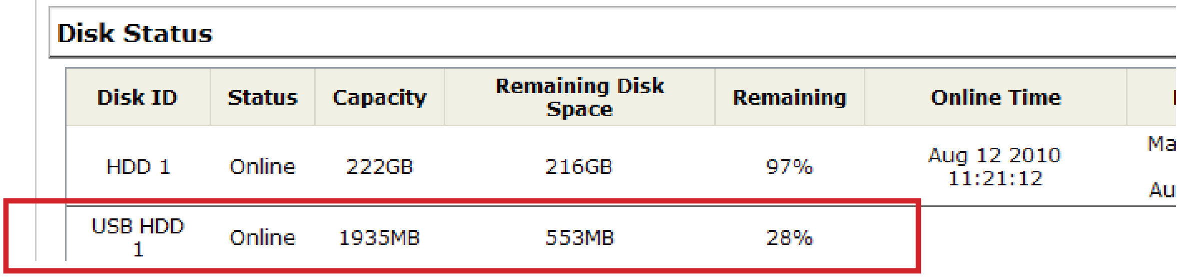
Start Time: August 12, 2010 14 : 46 : 33

End Time: August 12, 2010 14 : 46 : 33

Insert a USB hard disk that has more than 100MB free space to the NVR



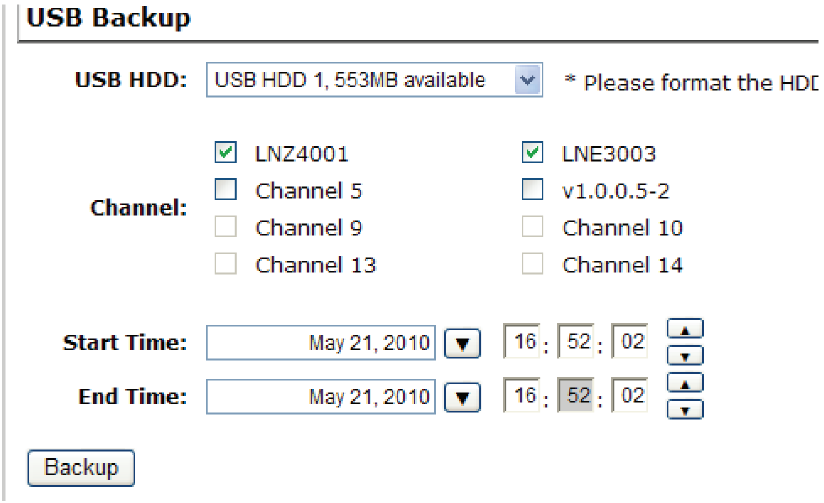
You can check the "Disk Status" page under "System Options" to see if the USB disk has been detected by the NVR



Disk Status

Disk ID	Status	Capacity	Remaining Disk Space	Remaining	Online Time	I
HDD 1	Online	222GB	216GB	97%	Aug 12 2010 11:21:12	Ma Au
USB HDD 1	Online	1935MB	553MB	28%		

Once it's detected, go back to the "USB Backup" page and it should be available for further configuration



USB Backup

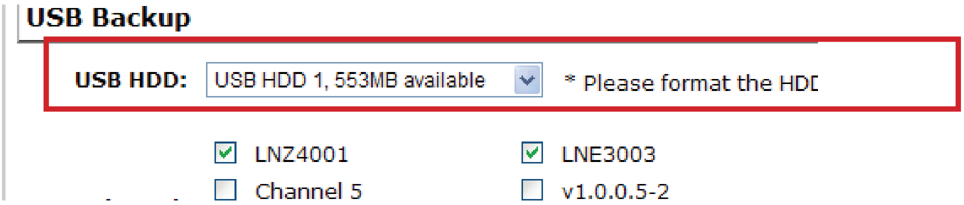
USB HDD: USB HDD 1, 553MB available * Please format the HDD

Channel:
☑ LNZ4001 ☑ LNE3003
☐ Channel 5 ☐ v1.0.0.5-2
☐ Channel 9 ☐ Channel 10
☐ Channel 13 ☐ Channel 14

Start Time: May 21, 2010 16 : 52 : 02
End Time: May 21, 2010 16 : 52 : 02

Backup

The USB hard disk(s) will be listed in the drop-down menu displaying the remaining disk space. Make your selection from the drop-down menu if you have more than one disks connected to the NVR

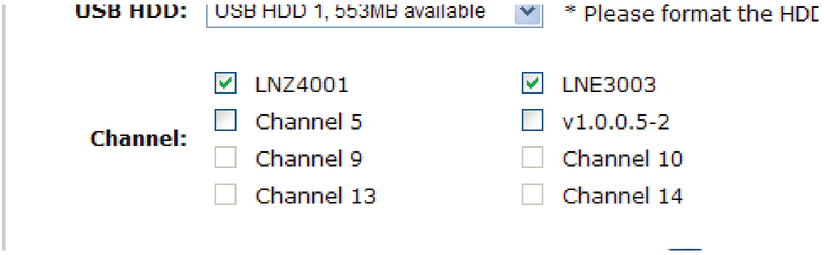


USB Backup

USB HDD: USB HDD 1, 553MB available * Please format the HDD

☑ LNZ4001 ☑ LNE3003
☐ Channel 5 ☐ v1.0.0.5-2

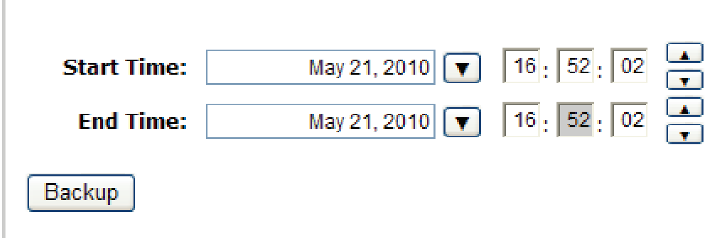
Next, select channels which you would like to backup the recording data from. Maximum 4 channels can be selected at once.



USB HDD: USB HDD 1, 553MB available * Please format the HDD

Channel:
☑ LNZ4001 ☑ LNE3003
☐ Channel 5 ☐ v1.0.0.5-2
☐ Channel 9 ☐ Channel 10
☐ Channel 13 ☐ Channel 14

Configure the start and end time of the recording data you would like to backup and click the "Backup" button to begin



Start Time: May 21, 2010 16 : 52 : 02
End Time: May 21, 2010 16 : 52 : 02

Backup

Things to pay attention to the USB Backup function:

Limitation:

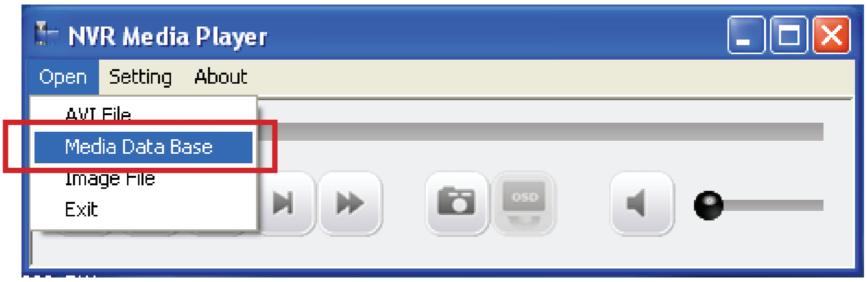
- It does not support USB Hub extend the number of HDD connected to the NVR
- Only one backup process can be performed at a time
- Maximum 4 channels can be selected for backup
- Only FAT32 USB hard disk is supported for backup
- The USB hard disk needs to have more than 100MB remaining space
- If multiple partitions are presented in one disk, only the first partitition will be detected and used for backup

Process:

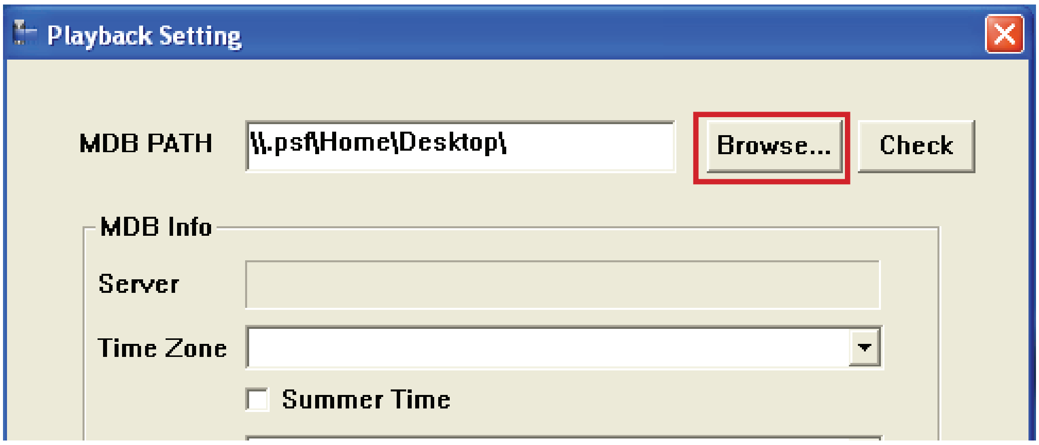
- Progress will be displayed on the UI
- If the backup process gets interrupted, which the process stops at a point of time that is before the "END Time" user defined, such time will be displayed on the UI
- A folder will be automatically created in the USB hard disk with a name format like 0028687831_20100610151515_20100605110010_20100606110010 (MAC_backupbuttonclicktime_starttime_endtime)

Play the backup file with the NVR Media Player

The backup files can be played with the NVR media player. To do, open the player and select "Open" >> "Media Database"

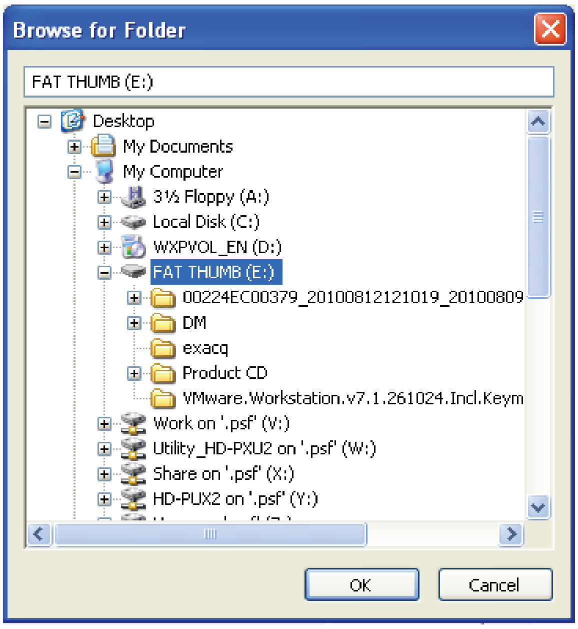

NVR Media Player
Open
Setting
About
AVI File
Media Data Base
Image File
Exit
OSD

Click "Browse..." to select the file from the USB disk

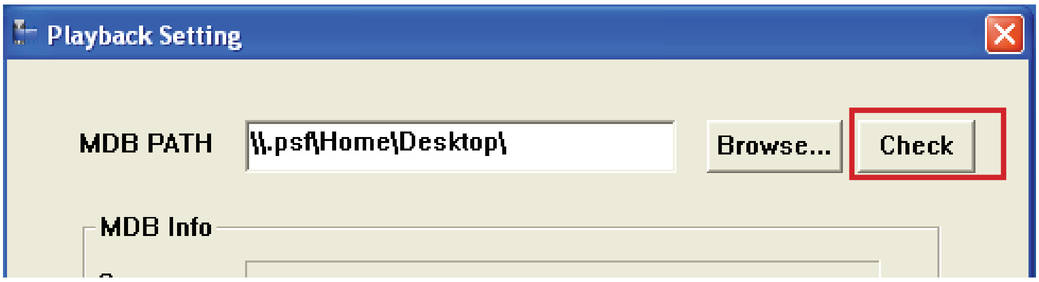

Playback Setting
Browse...
Check
MDB Info
Server
Time Zone
☐ Summer Time

MDB PATH: \\.psf\Home\Desktop\

A new dialog should be prompted for you to select the file location

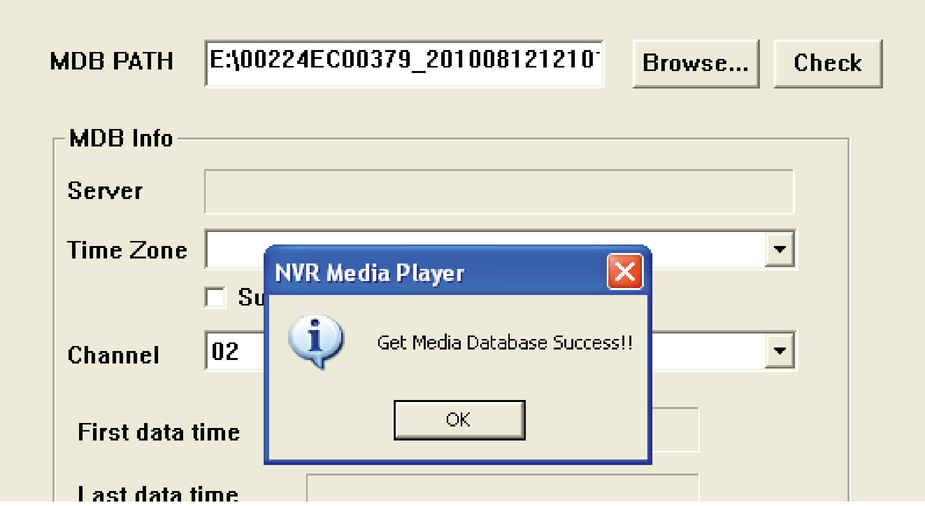

Browse for Folder
FAT THUMB (E:)
Desktop
My Documents
My Computer
3½ Floppy (A:)
Local Disk (C:)
WXPVOL_EN (D:)
FAT THUMB (E:)
00224EC00379_20100812121019_20100809
DM
exacq
Product CD
VMware.Workstation.v7.1.261024.Incl.Keym
Work on '.psf' (V:)
Utility_HD-PXU2 on '.psf' (W:)
Share on '.psf' (X:)
HD-PUX2 on '.psf' (Y:)
OK
Cancel

When done, click “Check” to validate the file


Playback Setting
Browse...
Check
MDB Info

MDB PATH \\.psf\Home\Desktop\

Once the file has been successfully verified, you should be prompted with the message shown below

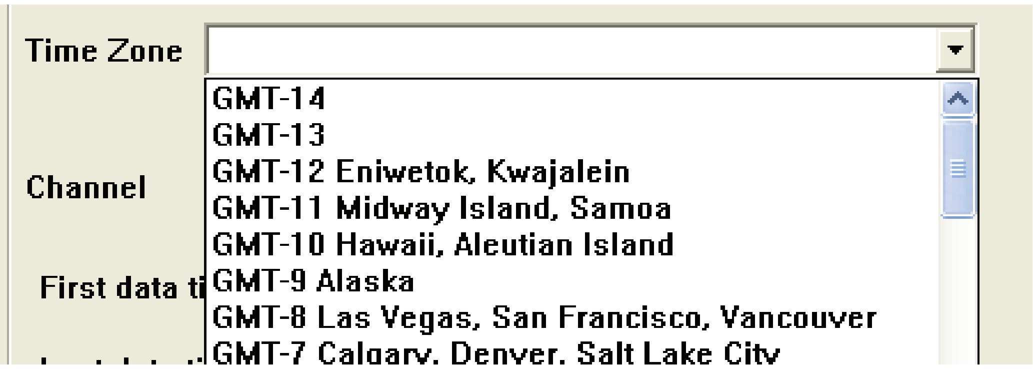

Browse...
Check
MDB Info
Server
Time Zone
Su
First data time
Last data time
NVR Media Player
OK

MDB PATH E:\00224EC00379_201008121210

Channel 02

Get Media Database Success!!

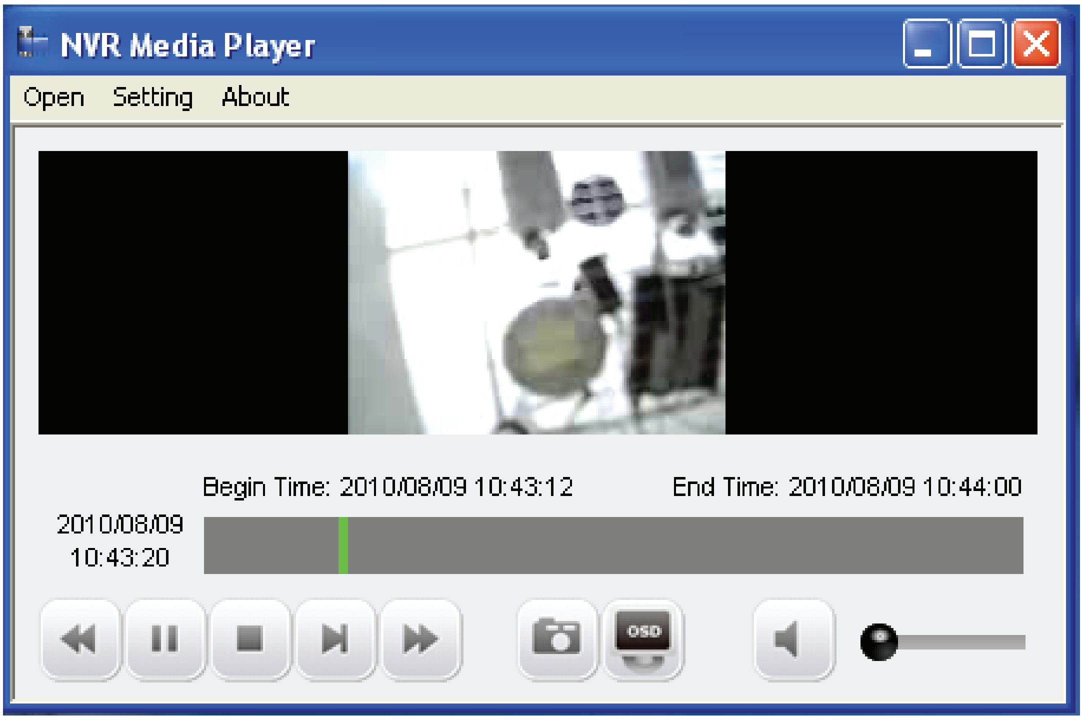
Select the time zone according to your current location


Time Zone
Channel
First data ti

GMT-14
GMT-13
GMT-12 Eniwetok, Kwajalein
GMT-11 Midway Island, Samoa
GMT-10 Hawaii, Aleutian Island
GMT-9 Alaska
GMT-8 Las Vegas, San Francisco, Vancouver
GMT-7 Calgary, Denver, Salt Lake City

Finally, click “OK” to begin playing

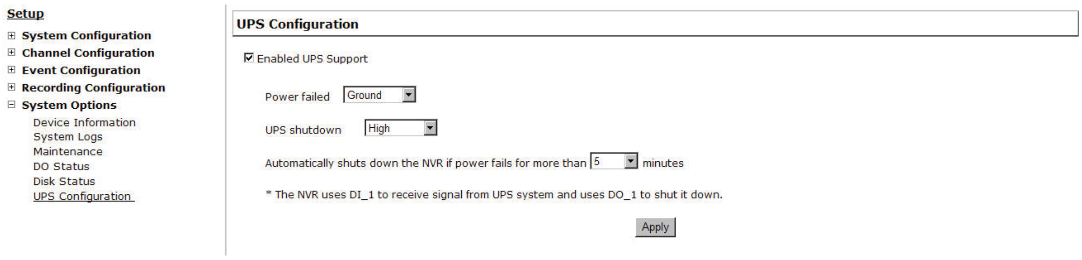
The player should now play the backed up file


NVR Media Player
Open
Setting
About
Begin Time: 2010/08/09 10:43:12
End Time: 2010/08/09 10:44:00
2010/08/09
10:43:20
OSD

3.5.6 UPS Configuration

Connect the UPS to the NVR's DI/DO port for sending and receiving signals between the UPS and the NVR. Refer to the diagram below to connect the UPS with its RS-232 interface to the NVR's DI/DO port.

The NVR can receive signal from the UPS when there is a power failure and shut down itself automatically within a period of time.



Setup
⊞ System Configuration
⊞ Channel Configuration
⊞ Event Configuration
⊞ Recording Configuration
⊟ System Options
Device Information
System Logs
Maintenance
DO Status
Disk Status
UPS Configuration

UPS Configuration

☑ Enabled UPS Support

Power failed: Ground

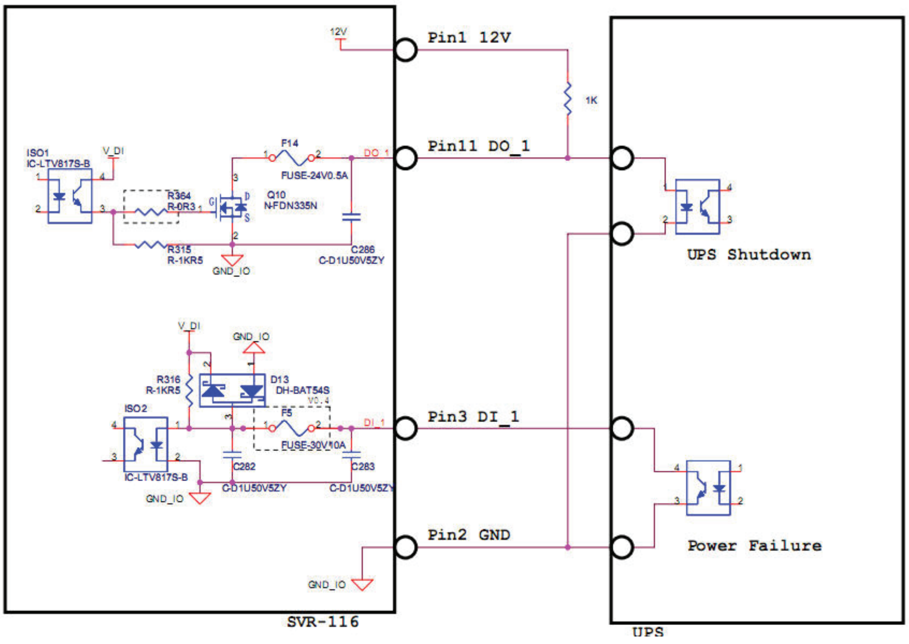
UPS shutdown: High

Automatically shuts down the NVR if power fails for more than 5 minutes

* The NVR uses DI_1 to receive signal from UPS system and uses DO_1 to shut it down.

Apply

Connect UPS with its RS-232 interface to the NVR's IO port:



12V
Pin1 12V
1K
Pin11 DO_1
ISO1
IC-LTV817S-B
V_DI
F14
FUSE-24V0.5A
DO_1
R364
R-0R3
Q10
N-FDN335N
R315
R-1KR5
GND_IO
C286
C-D1U50V5ZY
UPS Shutdown
V_DI
GND_IO
R316
R-1KR5
D13
DH-BAT54S
ISO2
F5
FUSE-30V10A
DI_1
Pin3 DI_1
IC-LTV817S-B
C282
C283
C-D1U50V5ZY
C-D1U50V5ZY
GND_IO
Pin2 GND
Power Failure
GND_IO
SVR-116
UPS

**** The NVR uses DI_1 to receive signal from UPS system and uses DO_1 to shut it down.***